

Agilent Technologies

Agilent 6032A

SystemAutorangingDCPowerSupply

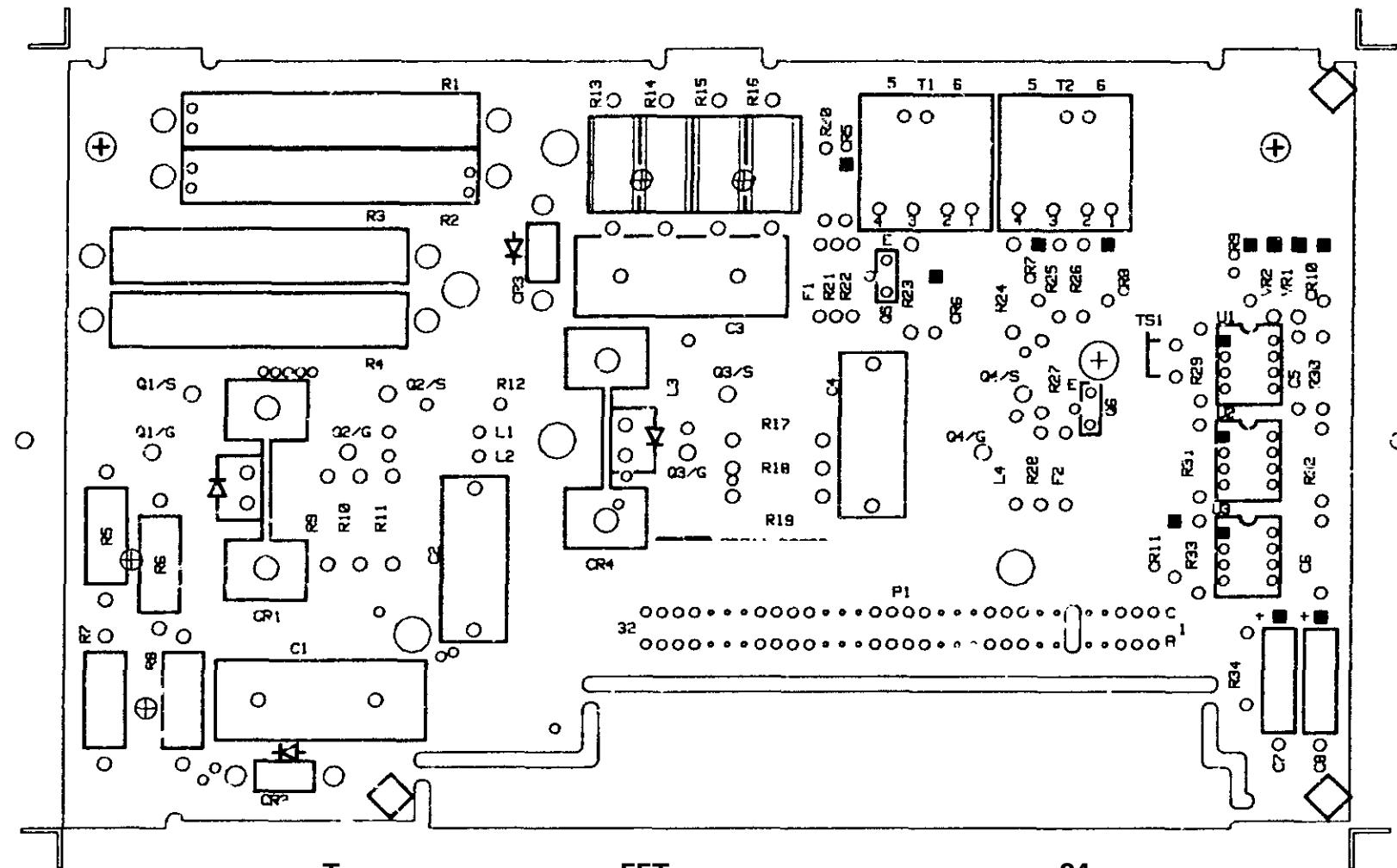
Component Level Information

Information in this packet applies to the following assemblies:

1. 06011-60023 PC Assembly - FET Board
2. 06031-60020 PC Assembly - Front Panel Board
3. 06032-60022 PC Assembly - Control Board
4. 06032-60029 PC Assembly - Diode Board
5. 06032-60032 PC Assembly - Mother, 60V, Board
6. 5063-3463 PC Assembly - GPIB Board

The following is included in this packet:

1. Component Locators
2. Schematics
3. Parts lists with Agilent and manufacturer's part numbers



T sc ma c o FET ass m s oca o pa 34,
pa 1 o 2, Ma oa PC ass m .

Agilent 6032A System Autoranging DC Power Supply

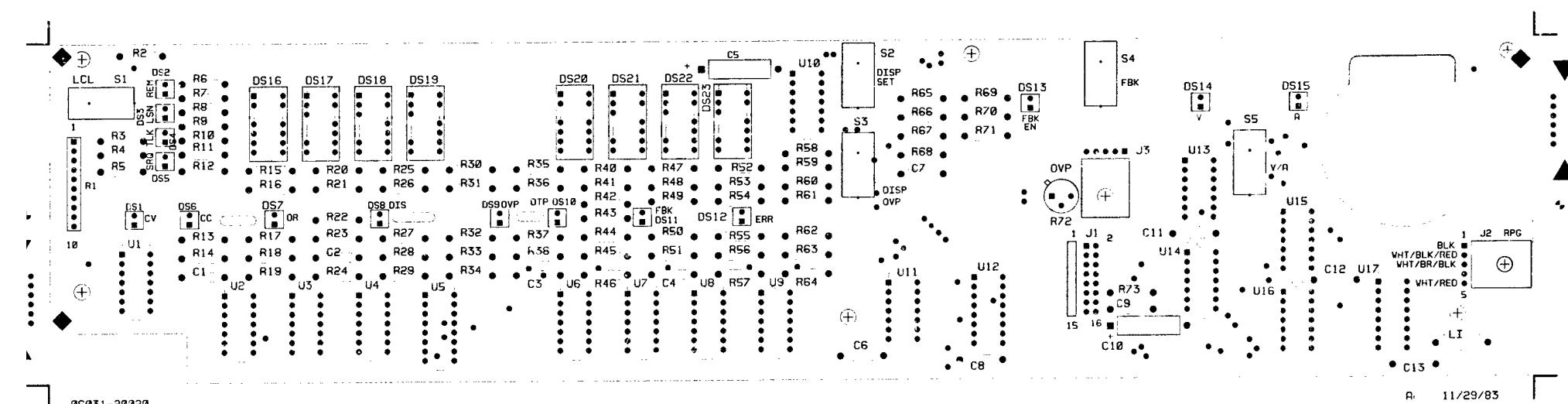
06011-60023
FET PC Assembly
Component Locator

06011-60023 FET PC Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| C001, 3 | 2 | 0160-4569 | CAP-FXD 0.01uF +-10pct 800 V POLYP-FL | 715P10398LD3 | SB ELECTRONICS |
| C002, 4 | 2 | 0160-5981 | CAP-FXD 0.047uF +-10pct 630 V POLYP-FL | FKP1.047UF630V MKP1841-347-63 | WIMA VISHAY |
| C005, 6 | 2 | 0160-4835 | CAP-FXD 0.1uF +-10pct 50 V CER X7R | C420C104K5R5CA SA105C104KAAH SA105C104KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C007 | 1 | 0180-4132 | CAP-FXD 6.8uF +-10pct 35 V TA | TARW685K035 T322D685K035AS | AVX KEMET ELECTRONICS |
| C008 | 1 | 0180-0228 | CAP-FXD 22uF +-10pct 15 V TA | TAAB226K016 T110B226K015AS TAAB22K16RX | AVX KEMET ELECTRONICS STC |
| CR001, 4, MR2406F | 2 | 5060-9667 | ASSY-HEAT SINK | | |
| CR001, 4, MR2406F a | 1 | 0361-1641 | EYELET-RLD-FLG .121-OD .187-LG .0095-THK | GS 4-6 STEEL-TIN PLATE | STIMPSON EDWIN B |
| CR001, 4, MR2406F b | 1 | 1205-0398 | HEAT SINK SGL PLSTC-PWR-CS | 035560 | AAVID THERMALLOY |
| CR001, 4, MR2406F c | 1 | 1901-1302 | DIODE-PWR RECT 600V 15A 60NS TO-220AC | MUR1560G | ON SEMICONDUCTOR |
| CR002, 3 | 2 | 1901-1087 | DIODE-PWR RECT 600V 3A 200NS | GI856 MR856RLG | VISHAY ON SEMICONDUCTOR |
| CR005-11 | 7 | 1901-0050 | DIODE-SWITCHING 80V 200MA 2NS DO-35 | D3D7 FDH6308C | FAIRCHILD SEMICONDUCTOR |
| F001, 2 | 2 | 2110-0671 | FUSE-SUBMINIATURE .125A 125V NTD AX | 025101.5_L | LITTELFUSE |
| HEATSINK | 1 | 06032-20002 | HEAT-SINK,FET,R | | |
| HEATSINK | 1 | 06032-20001 | HEAT-SINK,FET F | | |
| L001-4 | 4 | 9100-1610 | INDUCTOR RF-CH-MLD 150nH +-20pct | 1537-00 15M150M IM-4 .15UH 20% | AMERICAN PRECISION INDUSTRIES GOWANDA ELECTRONICS VISHAY |
| P001 | 1 | 1252-1053 | CONN-POST TYPE 5.08-PIN-SPCG-MTG-END | 86094648813765V1 | FCI FRAMATOME BERG |
| Q001-4 | 4 | 1855-1214 | FET, N-CHAN | 94-6032 | INTERNATIONAL RECTIFIER |
| Q005, 6 | 2 | 1854-0585 | TRANSISTOR NPN SI PD=1.5W FT=50MHZ | MJE182 | ON SEMICONDUCTOR |
| R001-4 | 4 | 0811-1065 | RESISTOR 150 +-5pct 10W PWN TC=0+-20 | NS-10_150_5% NT-10-78 | VISHAY TT ELECTRONICS |
| R001-4 BACKLOAD | 8 | 0360-1843 | TERMINAL-STUD DBL-TUR SWGFRM-MTG | T16-425 | AUTO-SWAGE PROD |
| R005-8, 13-16 | 8 | 0698-3609 | RESISTOR 22 +-5pct 2W MO TC=0+-200 | FP69 22R0 5% GS-322R0 MO2C_220J | VISHAY TT ELECTRONICS KOA |
| R009-11, 17-19 | 6 | 0698-5139 | RESISTOR 3.9 +-5pct .5W CC TC=0+412 | | |

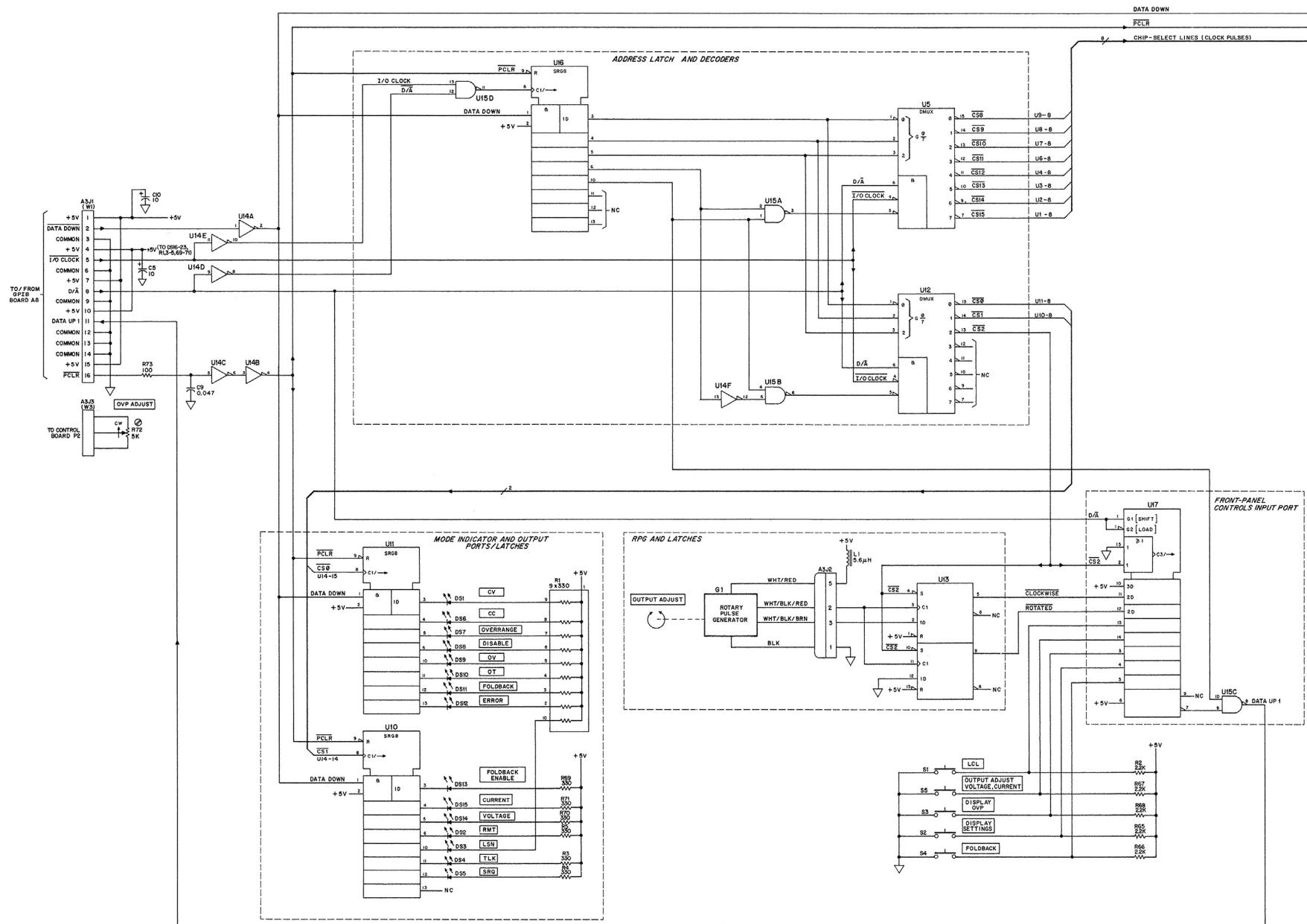
06011-60023 FET PC Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|---|--|--|
| R012, 25 | 2 | 0757-0466 | RESISTOR 110K +-1pct .125W TF TC=0+-100 | 5053HD110K0F CMF-551103FT-1 NK4H.125W1%+/- 100PPM1103 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R020, 27 | 2 | 0757-0379 | RESISTOR 12.1 +-1pct .125W TF TC=0+-100 | 5053HD12R10F CMF-5512R1FT-1 NK4H.125W1%+/- 100PPM12R1 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R021, 28 | 2 | 0683-1505 | RESISTOR 15 +-5pct .25W CF TC=0-400 | CF 14 15 5% | ASJ |
| R022, 26 | 2 | 0683-1815 | RESISTOR 180 +-5pct .25W CF TC=0-400 | CF1/4J181T | ASJ |
| R023, 24 | 2 | 0686-2005 | RESISTOR 20 +-5pct .5W CC TC=0+412 | | |
| R029-33 | 5 | 0683-0475 | RESISTOR 4.7 +-5pct .25W CF TC=0-400 | CF 1/4 C ____ 4R7 J CF 14 4R 5% RC1/4 4R7 5% | KOA ASJ SEI ELECTRONICS |
| R034 | 1 | 0683-0275 | RES-FXD 2.7 +-5PCT .25W CF TC 0-400 | LCA0207 2.7 5% CF1/4-2R7J CF1/4C ____ 2R7J | VISHAY ASJ KOA |
| SCREW M3.5X0.6 | 10 | 0515-0212 | SCREW-MACH M3.5 X 0.6 6MM-LG PAN-HD ; SCREW-MACHINE ; M3.5 X 0.60; 6 MM LONG | 0515-0212 0515-0212 0515-0212 0515-0212 | MID-CONTINENT SCREW PROD ILLINOIS TOOL WORKS LONG-LOK FASTENER TEXTRON |
| SCREW M4X0.7 | 7 | 0515-0413 | SCREW-MACH M4 X 0.7 6MM-LG PAN-HD | 0515-0413 0515-0413 0515-0413 0515-0413 0515-0413 | BOSSARD ILLINOIS TOOL WORKS LONG-LOK FASTENER MID-CONTINENT SCREW PROD TEXTRON |
| SOCKET PIN | 8 | 1252-0093 | CONNECTOR-SGL CONT SKT .04-IN-BSC-SZ RND | 09-9158-1-0619 | CONCORD ELECTRONICS |
| STAND OFF | 7 | 0380-1524 | STANDOFF-HEX 8-MM-LG M4.0 X 0.7-THD ; STANDOFF-HEX | 0380-1524 0380-1524 0380-1524 | LYN-TRON RAF ELECTRONIC HARDWARE/R&R MF BOSSARD |
| T001 | 1 | 06011-80091 | XFMR-DRIVER | | |
| T002 | 1 | 06011-80095 | XFMR-DRIVER | | |
| TS001 BACKLOAD | 1 | 3103-0081 | SWITCH-THRM FXD +202F 15A CL-ON-RISE | 2455R-87-247 | HONEYWELL |
| U001-3 | 3 | 1820-1050 | IC INTERFACE DRVR BIPOLAR NOR DUAL | SN75454BP | TEXAS INSTRUMENTS |
| VR001, 2 | 2 | 1902-0779 | DIODE-ZNR 11.8V 5pct DO-15 PD=1W TC=+.064pct | DZ721113K | MICROSEMI |



**Agilent 6032A
System Autoranging DC Power
Supply**

**06031-60020
Front Panel PC Assembly
Component Locator**



Agilent 6032A System Autoranging DC Power Supply

06031-60020
Front Panel PC Assembly
Page 1 of 2

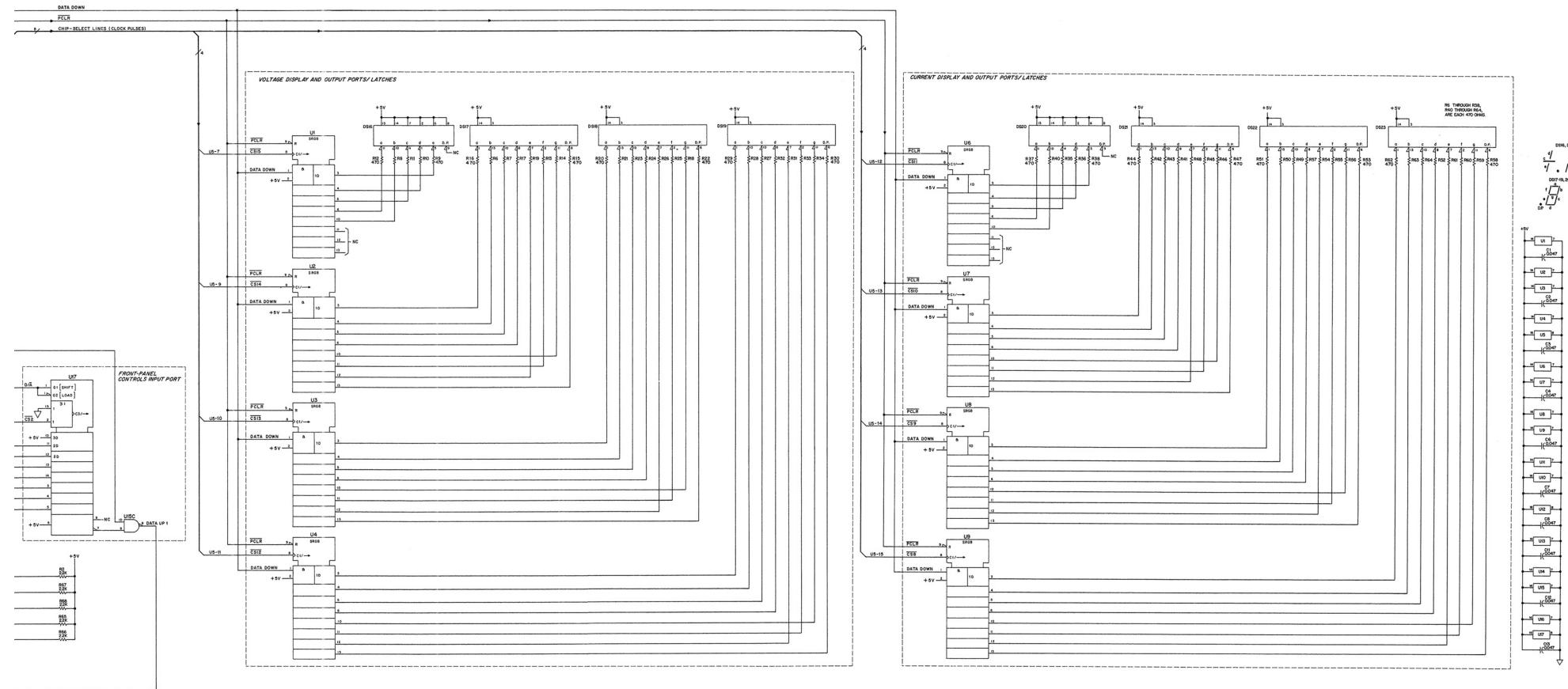


Figure 6-12. Front Panel Board Schematic Diagram

**Agilent 6032A
System Autoranging DC Power
Supply**

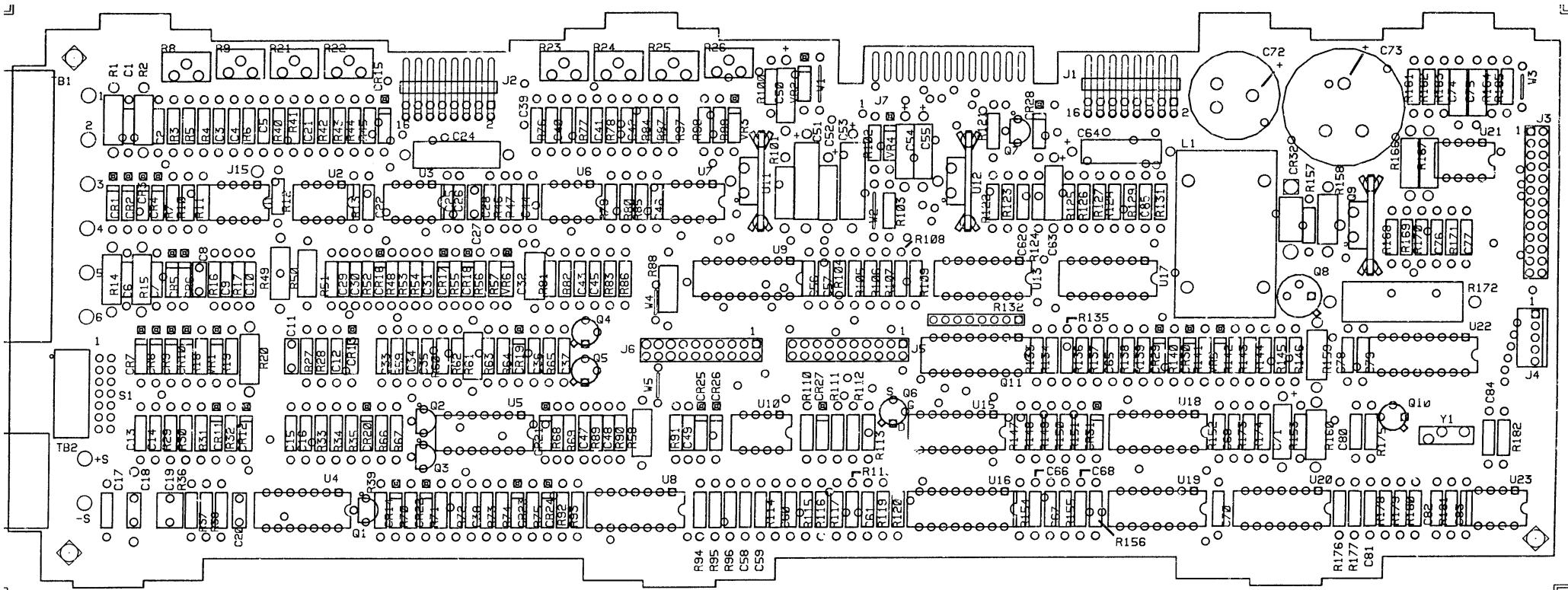
**06031-60020
Front Panel PC Assembly
Page 2 of 2**

06031-60020 Front Panel PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|-------------------------|-----|-------------|--|--|---|
| DS001-6, 13-15 PRE-ASSY | 9 | 1990-0835 | LED-LAMP LM-INT=4.2MCD IF=30MA-MAX BVR=5 | HLMP-1503-D0000 | AVAGO TECHNOLOGIES |
| S001-5 BACKLOAD | 5 | 5060-9436 | SWITCH-PB SPST-NO MOM | | |
| C001-4, 6-9, 11-13 | 11 | 0160-5422 | CAP-FXD 0.047uF +-20pct 50 V CER X7R | C420C473M5R5CA DA13X7R1H473M SA205C473MAAH | KEMET ELECTRONICS TDK AVX |
| C005, 10 | 2 | 0180-4136 | CAP-FXD 10uF +-10pct 20 V TA | TARS106K020 T322C106K020AS | AVX KEMET ELECTRONICS |
| R002, 65-68 | 5 | 0683-2225 | RES-FXD 2.2KOHM +-5PCT .25W TC 0-400 | CF1/4-222J CF1/4C_222J | ASJ KOA |
| R003-5, 69-71 | 6 | 0683-3315 | RESISTOR 330 +-5pct .25W CF TC=0-450 | CF 14 33R 5% CR-25PS-.330 | ASJ ROYAL ELECTRONIC FACTORY |
| L001 | 1 | 9100-1618 | INDUCTOR RF-CH-MLD 5.6uH +-10pct | 1537-30 15M561K IM-4 5.6UH 5% | AMERICAN PRECISION INDUSTRIES GOWANDA ELECTRONICS VISHAY |
| R073 | 1 | 0683-1015 | RES-FXD 100 OHM +-5PCT .25W CF TC 0+-300 | CF1/4-101J CF1/4C_101J | ASJ KOA |
| R006-38, 40-64 | 58 | 0683-4715 | RESISTOR 470 +-5pct .25W CF TC=0-400 | CF 14 47R 5% R25X-J-471 | ASJ ROHM |
| U017 | 1 | 1820-4988 | IC-74HCT165N | 74HCT165N 74HCT165N | PHILIPS NXP |
| U001-4, 6-11, 16 | 11 | 1820-3180 | IC SHF-RGTR CMOS/HC SYNCHRO SERIAL-IN | MM74HC164N | FAIRCHILD SEMICONDUCTOR |
| U005, 12 | 2 | 1820-3847 | IC DCDR-DEMUXR CMOS/HCT BIN 3-TO-8-LINE | 74HCT138N MM74HCT138N SN74HCT138N 74HCT138N | PHILIPS FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS NXP |
| U014 | 1 | 1820-3629 | IC INV CMOS/HCT HEX | MM74HCT04N | FAIRCHILD SEMICONDUCTOR |
| U013 | 1 | 1820-3081 | IC FF CMOS/HC D-TYPE POS-EDGE-TRIG | MM74HC74AN SN74HC74N MC74HC74ANG | FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS ON SEMICONDUCTOR |

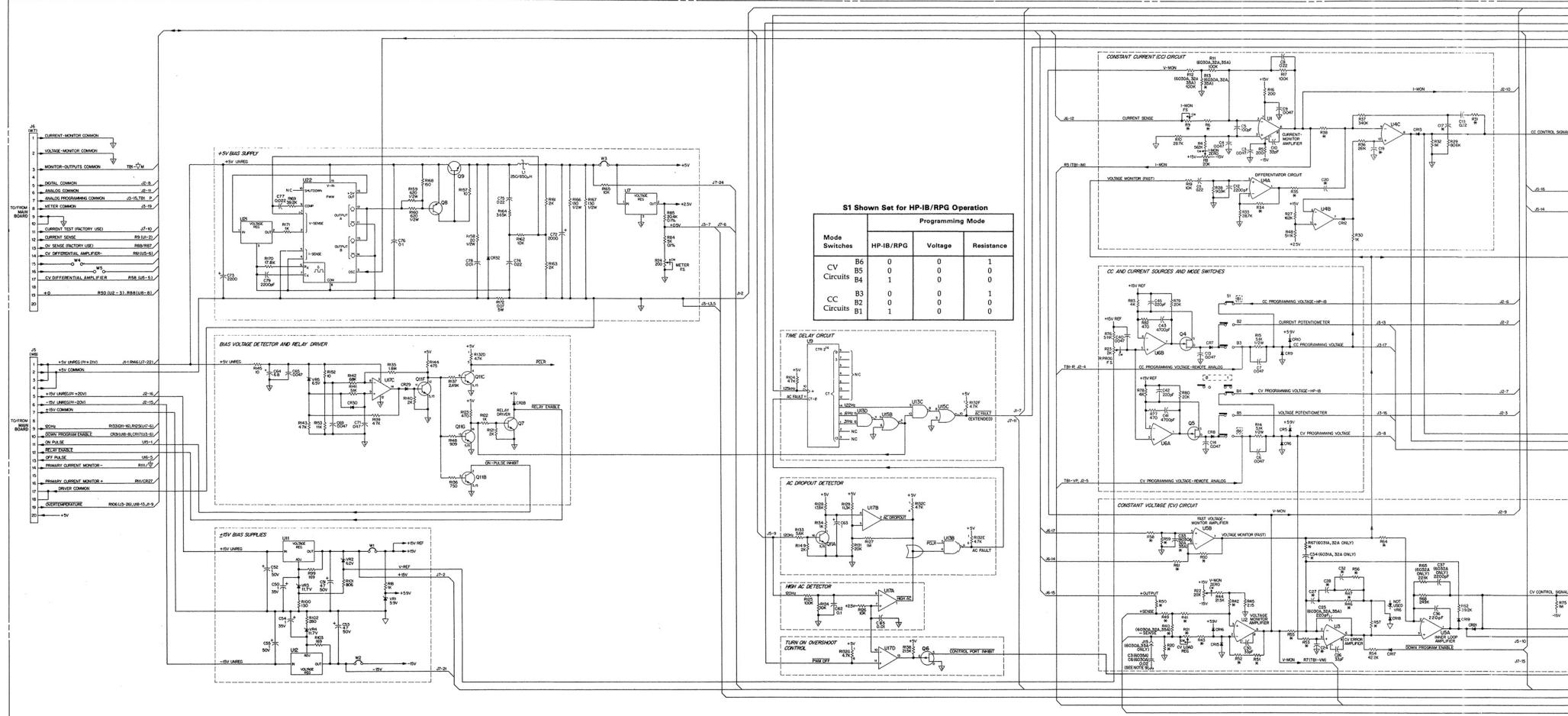
06031-60020 Front Panel PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| U015 | 1 | 1820-2922 | IC GATE CMOS/HC NAND QUAD 2-INP | 74HC00N MM74HC00N MC74HC00ANG 74HC00N | PHILIPS FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR NXP |
| R072 | 1 | 2100-1775 | RESISTOR-TRMR 5K 5pct WW TOP-ADJ 1-TRN | CT-100-4-5K 3345P-CL4-502 | NEOHM BOURNS |
| R001 | 1 | 1810-0272 | NET-RES 9 330.0 OHM 10-PIN | 4310R-94Y-331 750-101 MSP10A01-331G | BOURNS TT ELECTRONICS VISHAY |
| DS007-12 PRE-ASSY | 6 | 1990-0831 | LED-LAMP LUM-INT=9.2MCD IF=20MA-MAX | HLMP-1401-EF000 | AVAGO TECHNOLOGIES |
| J002, 3 | 2 | 1251-8675 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 1107-12-105-01 | METHODE ELECTRONICS |
| J001 | 1 | 1251-8417 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 68021-616HLF | FCI FRAMATOME BERG |



Agilent 6032A System Autoranging DC Power Supply

**06032-60022
Control PC Assembly
Component Locator**



**Agilent 6032A
System Autoranging DC Power
Supply**

**06032-60022
Control PC Assembly
Page 1 of 2**

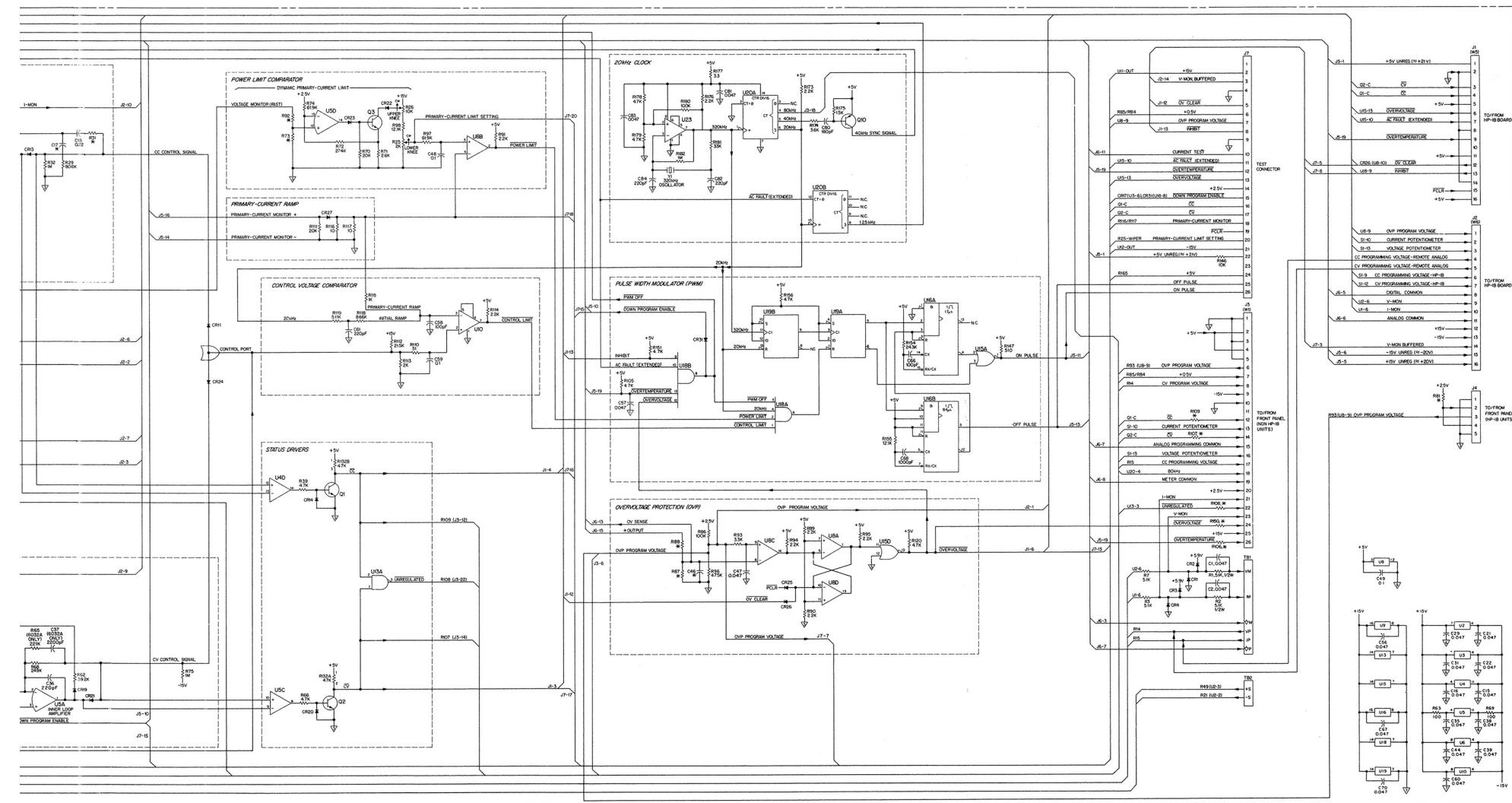


Figure 6-11. Control Board Schematic Diagram

Agilent 6032A System Autoranging DC Power Supply

06032-60022
Control PC Assembly
Page 2 of 2

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|---|-----|-------------|--|---|---|
| A2J1, A2J2 | 2 | 1251-8417 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 68021-616HLF | FCI FRAMATOME BERG |
| A2J4 | 1 | 1251-8676 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 1107-8-105-01 | METHODE ELECTRONICS |
| A2J5, A2J6 | 2 | 1251-5240 | CONN-HDR VERT 20-PIN 2.54 MM 2ROW | 67996-120HLF | FCI FRAMATOME BERG |
| C001-4, 6, 7, 9, 13-16, 21, 22, 29, 31, C035, 38-40, 44, 47, 56, 57, 60, 65, C067, 69, 70, 81, 83 | 30 | 0160-5422 | CAP-FXD 0.047uF +-20pct 50 V CER X7R | C420C473M5R5CA DA13X7R1H473M SA205C473MAAH | KEMET ELECTRONICS TDK AVX |
| C005, 58, 66 | 3 | 0160-4801 | CAP-FXD 100pF +-5pct 100 V CER C0G | C410C101J1G5CA SA102A101JAAH SA102A101JAAH | KEMET ELECTRONICS AVX KYOCERA |
| C008, 11, 18, 20, 27 | 5 | 0160-5892 | CAP-FXD 0.22uF +-10PCT 63V POLYE-MET | MKT 1817 422 065 MMK5224K63J01L4 BULK | VISHAY EVOX/RIFA |
| C010, 26, 30 | 3 | 0160-4807 | CAP-FXD 33pF +-5pct 100 V CER C0G | C410C330J1G5CA SA102A330JAAH SA102A330JAAH | KEMET ELECTRONICS AVX KYOCERA |
| C012, 37, 79 | 3 | 0160-4830 | CAP-FXD 2200pF +-10pct 100 V CER X7R | C410C222K1R5CA SA101C222KAAH SA101C222KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C017, 77 | 2 | 0160-4833 | CAP-FXD 0.022uF +-10pct 100 V CER X7R | C420C223K1R5CA SA201C223KAAH SA201C223KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C019 | 1 | 0160-5534 | CAP-FXD 0.1uF +-10pct 63 V POLYE-MET | MKS 2 MKT1817-410/065 MMK5104K63J01L6 | WIMA VISHAY EVOX/RIFA |
| C024 | 1 | 0160-0162 | CAP-FXD 0.022uF +-10pct 200 V POLYE-FL | WMC2S22-F HEW-238T-22NF+/-10%200V | CORNELL-DUBILIER ELECTRONICS AMERICAN SHIZUKI |
| C025, 36, 42, 45, 61, 82, 84 | 7 | 0160-4812 | CAP-FXD 220pF +-5pct 100 V CER C0G | C410C221J1G5CA SA101A221JAAH SA101A221JAAH | KEMET ELECTRONICS AVX KYOCERA |
| C028 | 1 | 0160-4834 | CAP-FXD 0.047uF +-10pct 100 V CER X7R | C430C473K1R5CA DA13X7R2A473K SA301C473KAAH SA301C473KAAH | KEMET ELECTRONICS TDK AVX KYOCERA |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|--------------------------|-----|-------------|--|---|---|
| C032 | 1 | 0160-5644 | CAP-FXD 0.033uF +-10pct 50 V CER X7R | C420C333K5R5CA SA205C333KAAH | KEMET ELECTRONICS AVX |
| C033, 41, 43 | 3 | 0160-4831 | CAP-FXD 4700pF +-10pct 100 V CER X7R | C410C472K1R5CA SA101C472KAAH SA101C472KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C034, 48, 49, 59, 62, 76 | 6 | 0160-4835 | CAP-FXD 0.1uF +-10pct 50 V CER X7R | C420C104K5R5CA SA105C104KAAH SA105C104KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C046 | 1 | 0160-5166 | CAP-FXD 0.015uF +-20pct 100 V CER X7R | C420C153M1R5CA DA13X7R2A153M SA201C153MAAH SA201C153MAAH | KEMET ELECTRONICS TDK AVX KYOCERA |
| C050, 54 | 2 | 0180-4129 | CAP-FXD 1uF +-10pct 35 V TA | TARR105K035 T322B105K035AS | AVX KEMET ELECTRONICS |
| C051, 53 | 2 | 0180-1731 | CAP-FXD 4.7uF +-10pct 50 V TA | T110B475K050AS TAAB4R7K50RX | KEMET ELECTRONICS STC |
| C052, 55 | 2 | 0180-0230 | CAP-FXD 1uF +-20pct 50 V TA | T110A105M050AS TAAA1R0M50RX | KEMET ELECTRONICS STC |
| C063 | 1 | 0180-1980 | CAP-FXD 1uF +-5pct 35 V TA | T110A105J035AS | KEMET ELECTRONICS |
| C064 | 1 | 0180-4132 | CAP-FXD 6.8uF +-10pct 35 V TA | TARW685K035 T322D685K035AS | AVX KEMET ELECTRONICS |
| C068 | 1 | 0160-4822 | CAP-FXD 1000pF +-5pct 100 V CER C0G | C420C102J1G5CA SA201A102JAAH SA201A102JAAH | KEMET ELECTRONICS AVX KYOCERA |
| C071 | 1 | 0180-0376 | CAP-FXD 0.47uF +-10pct 35 V TA | T110A474K035AS TAAA0R47K35RX | KEMET ELECTRONICS STC |
| C072 | 1 | 0180-2624 | CAP-FXD 2000uF +75pct -10pct 10 V AL-ELCTL | D76329 UPT 1021 | NIPPON CHEMI-CON CORNELL-DUBILIER ELECTRONICS |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|--|-----|-------------|---|--|---|
| C073 | 1 | 0180-3407 | CAP-FXD 2200uF +50pct -10pct 35 V AL-ELCTL | 0180-3407 0180-3407 0180-3407 55D105 | CORNELL-DUBILIER ELECTRONICS VISHAY BC COMPONENTS VISHAY NIPPON CHEMI-CON |
| C074, 75 | 2 | 0160-5098 | CAP-FXD 0.22uF +-10pct 50 V CER X7R | C440C224K5R5CA SA405C224KAAH SA405C224KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C078, 85 | 2 | 0160-4832 | CAP-FXD 0.01uF +-10pct 100 V CER X7R | C410C103K1R5CA SA101C103KAAH SA101C103KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C080 | 1 | 0160-4813 | CAP-FXD 180pF +5pct 100 V CER C0G | C410C181J1G5CA SA101A181JAAH SA101A181JAAH | KEMET ELECTRONICS KYOCERA AVX |
| CR001-6, 9, 10, 12, 15, 16, 19 | 12 | 1901-0033 | DIODE-GEN PRP 180V 200MA DO-35 | 1MD2-FDH3369C | FAIRCHILD SEMICONDUCTOR |
| CR007, 8, 11, 13, 14, 17, 18, 20-31 | 19 | 1901-0050 | DIODE-SWITCHING 80V 200MA 2NS DO-35 | D3D7_FDH6308C | FAIRCHILD SEMICONDUCTOR |
| CR032 | 1 | 1901-0992 | DIODE-SCHOTTKY 1N5822 40V 3A | 1N5822G 1N5822 | ON SEMICONDUCTOR VISHAY |
| J003 | 1 | 1251-7743 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 821-A026P-AMA00 2-1761603-9 | AMPHENOL TYCO INTERNATIONAL |
| J015 | 1 | 1251-0600 | CONNECTOR-SGL CONT PIN 1.14-MM-BSC-SZ | 16-06-0034 928-196-004140 MM 600G | MOLEX TEXTRON MILL-MAX |
| L001 | 1 | 06023-80090 | CHOKE-BIAS | | |
| Q001, 2 | 2 | 1854-0215 | TRANSISTOR NPN SI TO-92 PD 625MW FT 300 | 2N3904 2N3904 2N3904 | CENTRAL SEMICONDUCTOR ROHM FAIRCHILD SEMICONDUCTOR |
| Q003, 7 | 2 | 1854-0583 | TRANSISTOR NPN SI TO-92 PD=310MW | | |
| Q004-6 | 3 | 1855-0413 | TRANSISTOR J-FET P-CHAN D-MODE TO-18 SI | 2N5116 | VISHAY |
| Q008 | 1 | 1853-0012 | TRANSISTOR PNP 2N2904A SI TO-39 PD=600MW | 2N2904A | CENTRAL SEMICONDUCTOR |
| Q008a PRE-ASSY | 1 | 1200-0181 | INSULATOR-XSTR NYLON WHITE | 7717-5N | AAVID THERMALLOY |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|--|
| Q010 | 1 | 1853-0036 | TRANSISTOR PNP SI TO-92 PD 625MW FT 250MHZ | 2N3906 2N3906 | CENTRAL SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR |
| Q011 | 1 | 1858-0023 | TRANSISTOR ARRAY 16-PIN PLSTC DIP | | |
| R001, 2, 14, 15 | 4 | 0686-5125 | RESISTOR 5.1K +-5pct .5W CC TC=0+647 | | |
| R003, 7 | 2 | 0683-5125 | RESISTOR 5.1K +-5pct .25W CF TC=0-400 | CF1/4W5.1K 5% | ASJ |
| R004 | 1 | 0757-0483 | RESISTOR 562K +-1pct .125W TF TC=0+-100 | B0207C562K0F CMF-555623FT-1 | VISHAY BC COMPONENTS VISHAY |
| R005, 16 | 2 | 0683-2015 | RESISTOR 200 +-5pct .25W CF TC=0-400 | CF 14 20R 5% | ASJ |
| R006 | 1 | 0698-7631 | RESISTOR 2.87K +-1pct .125W TF TC=0+-25 | B0207E2K870F CMF-552871FT-9 | VISHAY BC COMPONENTS VISHAY |
| R008, 22 | 2 | 2100-3353 | RESISTOR-TRMR 20K 10pct TKF SIDE-ADJ 1-T | 2100-3353 3386X-Y46-203 | MURATA MANUFACTURING BOURNS |
| R009 | 1 | 2100-3352 | RESISTOR-TRMR 1K 10pct TKF SIDE-ADJ 1-TR | 3386X-Y46-102 PV34X102C30 | BOURNS MURATA MANUFACTURING |
| R010 | 1 | 0698-3433 | RESISTOR 28.7 +-1pct .125W TF TC=0+-100 | CMF-5528R7FT-1 5053HD28R70F NK4H.125W1%+/- 100PPM28R7 | VISHAY VISHAY BC COMPONENTS E-SIL COMPONENTS |
| R011, 12, 86, 125 | 4 | 0757-0465 | RESISTOR 100K +-1pct .125W TF TC=0+-100 | 5053HD100K0F CMF-551003FT-1 NK4H.125W1%+/- 100PPM1003 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R013 | 1 | 0757-0379 | RESISTOR 12.1 +-1pct .125W TF TC=0+-100 | 5053HD12R10F CMF-5512R1FT-1 NK4H.125W1%+/- 100PPM12R1 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R017 | 1 | 0698-7082 | RESISTOR 100K +-1pct .125W TF TC=0+-25 | B0207E100K0F CMF-551003FT-9 | VISHAY BC COMPONENTS VISHAY |
| R018, 122, 134 | 3 | 0683-1025 | RESISTOR 1K +-5pct .25W CF TC=0-400 | CF 14 1K5% R25X-J-102 CF1/4C_102J | ASJ ROHM KOA |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|--------------------------|-----|-------------|--|--|--|
| R019, 124, 126, 152, 162 | 5 | 0757-0442 | RESISTOR 10K +-1pct .125W TF TC=0+-100 | 5053HD10K00F CMF-551002FT-1 NK4H.125W1%+/- 100PPM1002 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R020, 50 | 2 | 0686-1025 | RESISTOR 1K +-5pct .5W CC TC=0+647 | | |
| R021, 23, 25 | 3 | 2100-3273 | RESISTOR-TRMR 2K 10pct TKF SIDE-ADJ 1-TRN | 3386X-Y46-202 PV34X202C30 | BOURNS MURATA MANUFACTURING |
| R024 | 1 | 2100-3350 | RESISTOR-TRMR 200 10pct TKF SIDE-ADJ 1-T | 2100-3350 3386X-Y46-201 | MURATA MANUFACTURING BOURNS |
| R026 | 1 | 2100-3274 | RESISTOR-TRMR 10K 10pct TKF SIDE-ADJ 1-T | 3386X-Y46-103 PV34X103C30 | BOURNS MURATA MANUFACTURING |
| R027, 47 | 2 | 0757-0470 | RESISTOR 162K +-1pct .125W TF TC=0+-100 | 5053HD162K0F CMF-551623FT-1 NK4H.125W1%+/- 100PPM1623 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R028 | 1 | 0757-0464 | RESISTOR 90.9K +-1pct .125W TF TC=0+-100 | 5053HD90K90F CMF-559092FT-1 NK4H.125W1%+/- 100PPM9092 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R029 | 1 | 0698-4509 | RESISTOR 80.6K +-1pct .125W TF TC=0+-100 | 5053HD80K60F CMF-558062FT-1 NK4H.125W1%+/- 100PPM8062 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R030, 115, 171 | 3 | 0757-0280 | RESISTOR 1K +-1pct .125W TF TC=0+-100 | 5053HD1K000F CMF-551001FT-1 NK4H.125W1%+/- 100PPM1001 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R031 | 1 | 0698-3260 | RESISTOR 464K +-1pct .125W TF TC=0+-100 | 5053HD464K0F CMF-554643FT-1 | VISHAY BC COMPONENTS VISHAY |
| R032, 75, 127, 182 | 4 | 0698-8827 | RESISTOR 1M +-1pct .125W TF TC=0+-100 | 5053HD1M000F CMF-551004FT-1 | VISHAY BC COMPONENTS VISHAY |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| R033 | 1 | 0698-3449 | RESISTOR 28.7K +-1pct .125W TF TC=0+-100 | 5053HD28K70F CMF-552872FT-1 NK4H.125W1%+/- 100PPM2872 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R034, 48, 53, 55 | 4 | 0757-0458 | RESISTOR 51.1K +-1pct .125W TF TC=0+-100 | 5053HD51K10F CMF-555112FT-1 NK4H.125W1%+/- 100PPM5112 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R035 | 1 | 0683-1555 | RESISTOR 1.5M +-5pct .25W CF TC=0-900 | CF1/4-155J | ASJ |
| R036, 38 | 2 | 0698-3455 | RESISTOR 261K +-1pct .125W TF TC=0+-100 | 5053HD261K0F CMF-552613FT-1 NK4H.125W1%+/- 100PPM2613 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R037 | 1 | 0698-4536 | RESISTOR 340K +-1pct .125W TF TC=0+-100 | CMF-553403FT-1 5053HD340K0F | VISHAY VISHAY BC COMPONENTS |
| R040, 41 | 2 | 0699-1210 | RESISTOR 80K +-0.1PCT .1W TF TC=0+-5 | PR1/10T580K0.1% PTF-5680K0BT-16 UXBA80K000B | PRECISION RESISTIVE PRODUCTS VISHAY VISHAY BC COMPONENTS |
| R042, 52 | 2 | 0699-0642 | RESISTOR 10K +-0.1pct .1W TF TC=0+-5 | PR1/10TC510K0.1% PTF-5610K0BT-16 UXB0207-05 0,1% RP 10K | PRECISION RESISTIVE PRODUCTS VISHAY VISHAY BC COMPONENTS |
| R043 | 1 | 0699-1211 | RESISTOR 95K +-0.1pct .1W TF TC=0+-5 | PR 1/10T595K0.1% PTF-5695K0BT-16 UXBA95K000B | PRECISION RESISTIVE PRODUCTS VISHAY VISHAY BC COMPONENTS |
| R044, 56, 112, 138 | 4 | 0757-0199 | RESISTOR 21.5K +-1pct .125W TF TC=0+-100 | 5053HD21K50F CMF-552152FT-1 NK4H.125W1%+/- 100PPM2152 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R045 | 1 | 0698-8816 | RESISTOR 2.15 +-1pct .125W TF TC=0+-100 | 5053HD2R150F CMF-552R15FT-1 | VISHAY BC COMPONENTS VISHAY |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|--|
| R046 | 1 | 0683-1255 | RESISTOR 1.2M +-5pct .25W CF TC=0-900 | CF 14 1M 5% R25X-J-125 | ASJ ROHM |
| R049 | 1 | 0698-7496 | RESISTOR 20K +-0.1pct .25W TF TC=0+-25 | CMF-602002BT-9 H420K0BD MBB0207E20K00B | VISHAY MEGGITT-ELECTRONIC COMPONENTS VISHAY BC COMPONENTS |
| R051, W001-5, VR006 | 7 | 7175-0057 | RESISTOR 0 CWM | 5020CX0R000S12AAZ 5020CX0R000S12AAZ 7175-0057 V-10-22 | VISHAY BC COMPONENTS VISHAY DOVER VESTAL ELECTRONIC DEVICES |
| R054 | 1 | 0698-3450 | RESISTOR 42.2K +-1pct .125W TF TC=0+-100 | 5053HD42K20F CMF-554222FT-1 NK4H.125W1%+/- 100PPM4222 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R057 | 1 | 0698-3155 | RESISTOR 4.64K +-1pct .125W TF TC=0+-100 | 5053HD4K640F CMF-554641FT-1 NK4H.125W1%+/- 100PPM4641 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R058, 61 | 2 | 0698-3572 | RESISTOR 60.4K +-1pct .125W TF TC=0+-100 | 5053HD60K40F CMF-556042FT-1 NK4H.125W1%+/- 100PPM6042 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R059, 60, 76, 119 | 4 | 0757-0438 | RESISTOR 5.11K +-1pct .125W TF TC=0+-100 | 5053HD5K110F CMF-555111FT-1 NK4H.125W1%+/- 100PPM5111 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R062, 64, 169 | 3 | 0757-0124 | RESISTOR 39.2K +-1pct .125W TF TC=0+-100 | CMF-553922FT-1 5053HD39K20F NK4H.125W1%+/- 100PPM3922 | VISHAY VISHAY BC COMPONENTS E-SIL COMPONENTS |
| R063, 69 | 2 | 0683-1015 | RES-FXD 100 OHM +-5PCT .25W CF TC 0+-300 | CF1/4-101J CF1/4C_101J | ASJ KOA |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|--|
| R065 | 1 | 0757-0473 | RESISTOR 221K +-1pct .125W TF TC=0+-100 | 5053HD221K0F CMF-552213FT-1 NK4H.125W1%+/- 100PPM2213 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R067 | 1 | 0757-0123 | RESISTOR 34.8K +-1pct .125W TF TC=0+-100 | 5053HD34K80F CMF-553482FT-1 NK4H.125W1%+/- 100PPM3482 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R068 | 1 | 0757-0270 | RESISTOR 249K +-1pct .125W TF TC=0+-100 | 5053HD249K0F CMF-552493FT-1 NK4H.125W1%+/- 100PPM2493 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R070, 92, 131 | 3 | 0757-0449 | RESISTOR 20K +-1pct .125W TF TC=0+-100 | 5053HD20K00F CMF-552002FT-1 NK4H.125W1%+/- 100PPM2002 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R071 | 1 | 0698-0085 | RESISTOR 2.61K +-1pct .25W TF TC=0+-100 | 5043ED2K610F CMF-552611FT-1 NK4H.25W1%+/- 100PPM2611 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R072 | 1 | 0757-0452 | RESISTOR 27.4K +-1pct .125W TF TC=0+-100 | 5053HD27K40F CMF-552742FT-1 NK4H.125W1%+/- 100PPM2742 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R073 | 1 | 0757-0289 | RESISTOR 13.3K +-1pct .125W TF TC=0+-100 | 5053HD13K30F CMF-551332FT-1 NK4H.125W1%+/- 100PPM1332 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R074 | 1 | 0757-0460 | RESISTOR 61.9K +-1pct .125W TF TC=0+-100 | 5053HD61K90F CMF-556192FT-1 NK4H.125W1%+/- 100PPM6192 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R077, 82, 123 | 3 | 0683-4715 | RESISTOR 470 +-5pct .25W CF TC=0-400 | CF 14 47R 5% R25X-J-471 | ASJ ROHM |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|-----------------------------------|-----|-------------|---|---|--|
| R078, 83 | 2 | 0698-6322 | RES-FXD 4K +-0.1PCT 0.125W TC 0+-25 0207 | CMF-554001BT-9 MBB0207-25 0.1%_4K | VISHAY VISHAY BC COMPONENTS |
| R079, 80, 111 | 3 | 0683-2035 | RESISTOR 20K +-5pct .25W CF TC=0-400 | CF 14 20 5% | ASJ |
| R081 | 1 | 0757-0419 | RESISTOR 681 +-1pct .25W TF TC=0+-100 | 5053HD6810F CMF-55681FT-1 NK4H.25W1%+/- 100PPM681 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R084 | 1 | 0698-6320 | RES-FXD 5K +-0.1PCT 0.125W TC 0+-25 0207 | CMF-555001BT-9 MBB0207-25 0.1%_5K | VISHAY VISHAY BC COMPONENTS |
| R085 | 1 | 0698-6983 | RESISTOR 20.4K +-0.1pct .125W TF TC=0+-25 | B0207C20K40B CMF-552042BT-9 | VISHAY BC COMPONENTS VISHAY |
| R087 | 1 | 0698-7933 | RESISTOR 3.83K +-0.1pct .125W TF TC=0+-25 | B0207E3K830B CMF-553831BT-9 | VISHAY BC COMPONENTS VISHAY |
| R088 | 1 | 0698-6979 | RESISTOR 111.1K +-0.1pct .125W TF TC=0+-25 | B0207E111K1B CMF-55111R1KBT-9 | VISHAY BC COMPONENTS VISHAY |
| R089-91, 94, 95, 114, 173, 176 | 8 | 0683-2225 | RES-FXD 2.2KOHM +-5PCT .25W TC 0-400 | CF1/4-222J CF1/4C_222J | ASJ KOA |
| R093 | 1 | 0683-3325 | RESISTOR 3.3K +-5pct .25W CF TC=0-400 | CF 14 3K 5% CF1/4C_332J | ASJ KOA |
| R096 | 1 | 0757-0481 | RESISTOR 475K +-1pct .125W TF TC=0+-100 | 5053HD475K0F CMF-554753FT-1 | VISHAY BC COMPONENTS VISHAY |
| R097 | 1 | 0757-0290 | RESISTOR 6.19K +-1pct .125W TF TC=0+-100 | 5053HD6K190F CMF-556191FT-1 | VISHAY BC COMPONENTS VISHAY |
| R098, 155 | 2 | 0757-0444 | RESISTOR 12.1K +-1pct .125W TF TC=0+-100 | 5053HD12K10F CMF-551212FT-1 | VISHAY BC COMPONENTS VISHAY |
| R099, 103 | 2 | 0698-4416 | RESISTOR 169 +-1pct .125W TF TC=0+-100 | 5053HD169R0F CMF-551690FT-1 NK4H.125W1%+/- 100PPM169R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|---|--|
| R100 | 1 | 0757-0404 | RESISTOR 130 +-1pct .125W TF TC=0+-100 | 5053HD130R0F CMF-551300FT-1 NK4H.125W1%+/- 100PPM130R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R101 | 1 | 0698-4608 | RESISTOR 806 +-1pct .25W TF TC=0+-100 | CMF-608060FT-1 H4806RFZ MBB0207C806R0F | VISHAY MEGGITT-ELECTRONIC COMPONENTS VISHAY BC COMPONENTS |
| R102 | 1 | 0698-4447 | RESISTOR 280 +-1pct .125W TF TC=0+-100 | CMF-552800FT-1 5053HD280R0F NK4H.125W1%+/- 100PPM280R0 | VISHAY VISHAY BC COMPONENTS E-SIL COMPONENTS |
| R107, 109 | 2 | 0683-1815 | RESISTOR 180 +-5pct .25W CF TC=0-400 | CF1/4J181T | ASJ |
| R110 | 1 | 0683-5105 | RESISTOR 51 +-5PCT 0.25W CF TC 0-400 | CF 1/4 C T52A 510 J CF1/4-510J LCA0207 51 5% | KOA ASJ VISHAY |
| R113, 161, 163 | 3 | 0757-0283 | RESISTOR 2K +-1pct .125W TF TC=0+-100 | 5053HD2K000F CMF-552001FT-1 NK4H.125W1%+/- 100PPM2001 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R116, 117 | 2 | 0757-0346 | RESISTOR 10 +-1pct .125W TF TC=0+-100 | 5053HD10R00F CMF-5510R0FT-1 NK4H.125W1%+/- 100PPM10R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R118 | 1 | 0698-3498 | RESISTOR 8.66K +-1pct .125W TF TC=0+-100 | 5053HD8K660F CMF-558661FT-1 NK4H.125W1%+/- 100PPM8661 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R121, 140, 149 | 3 | 0683-2025 | RESISTOR 2K +-5pct .25W CF TC=0-400 | CF 14 2K5% R25X-J-202 | ASJ ROHM |
| R128, 170 | 2 | 0698-3136 | RESISTOR 17.8K +-1pct .125W TF TC=0+-100 | 5053HD17K80F CMF-551782FT-1 NK4H.125W1%+/- 100PPM1782 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|--|
| R129 | 1 | 0698-4121 | RESISTOR 11.3K +-1pct .125W TF TC=0+-100 | 5053HD11K30F CMF-551132FT-1 NK4H.125W1%+/- 100PPM1132 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R132 | 1 | 1810-0205 | NET-RES 7 4.7K OHM 8-PIN | MSP08A01-472G 750-81 4308R-94Y-472LF | VISHAY TT ELECTRONICS BOURNS |
| R133 | 1 | 0683-5625 | RESISTOR 5.6K +-5pct .25W CF TC=0-400 | CF 14 5K 5% R25X-J-562 CF1/4C_562J | ASJ ROHM KOA |
| R135 | 1 | 0683-1855 | RESISTOR 1.8M +-5PCT .25W TC 0-1750 +350 | CF1/4-185J | ASJ |
| R136 | 1 | 0757-0420 | RES-FXD 750 OHM +-1PCT .125W TC 0+-100 | CMF557500FKEA 5053HD750R0F NK4H.125W1%+/- 100PPM750R0 | VISHAY VISHAY BC COMPONENTS E-SIL COMPONENTS |
| R137 | 1 | 0698-4435 | RESISTOR 2.49K +-1pct .125W TF TC=0+-100 | 5053HD2K490F CMF-552491FT-1 NK4H.125W1%+/- 100PPM2491 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R141 | 1 | 0683-5135 | RESISTOR 51K +-5pct .25W CF TC=0-400 | CF 14 51 5% | ASJ |
| R142 | 1 | 0683-6835 | RESISTOR 68K +-5pct .25W CF TC=0-400 | CF 14 68 5% | ASJ |
| R144 | 1 | 0757-0415 | RESISTOR 475 +-1pct .125W TF TC=0+-100 | 5053HD475R0F CMF-554750FT-1 NK4H.125W1%+/- 100PPM475R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R145, 157 | 2 | 0683-1005 | RES-FXD 10 +-5PCT .25W CF TC 0-400 | 20028878 CF1/4-100J LCA0207 10 5% 20028878 CF1/4C_100J | PHILIPS ASJ VISHAY NXP KOA |
| R146, 165 | 2 | 0683-1035 | RES-FXD 10K +-5PCT .25W CF TC 0-400 | CF1/4-103J LCA0207 10K 5% CF1/4C_103J | ASJ VISHAY KOA |
| R147 | 1 | 0683-5115 | RESISTOR 510 +-5pct .25W CF TC=0-400 | CF1/4W510 5% | ASJ |

06032-60022 Control PC Assembly Parts List

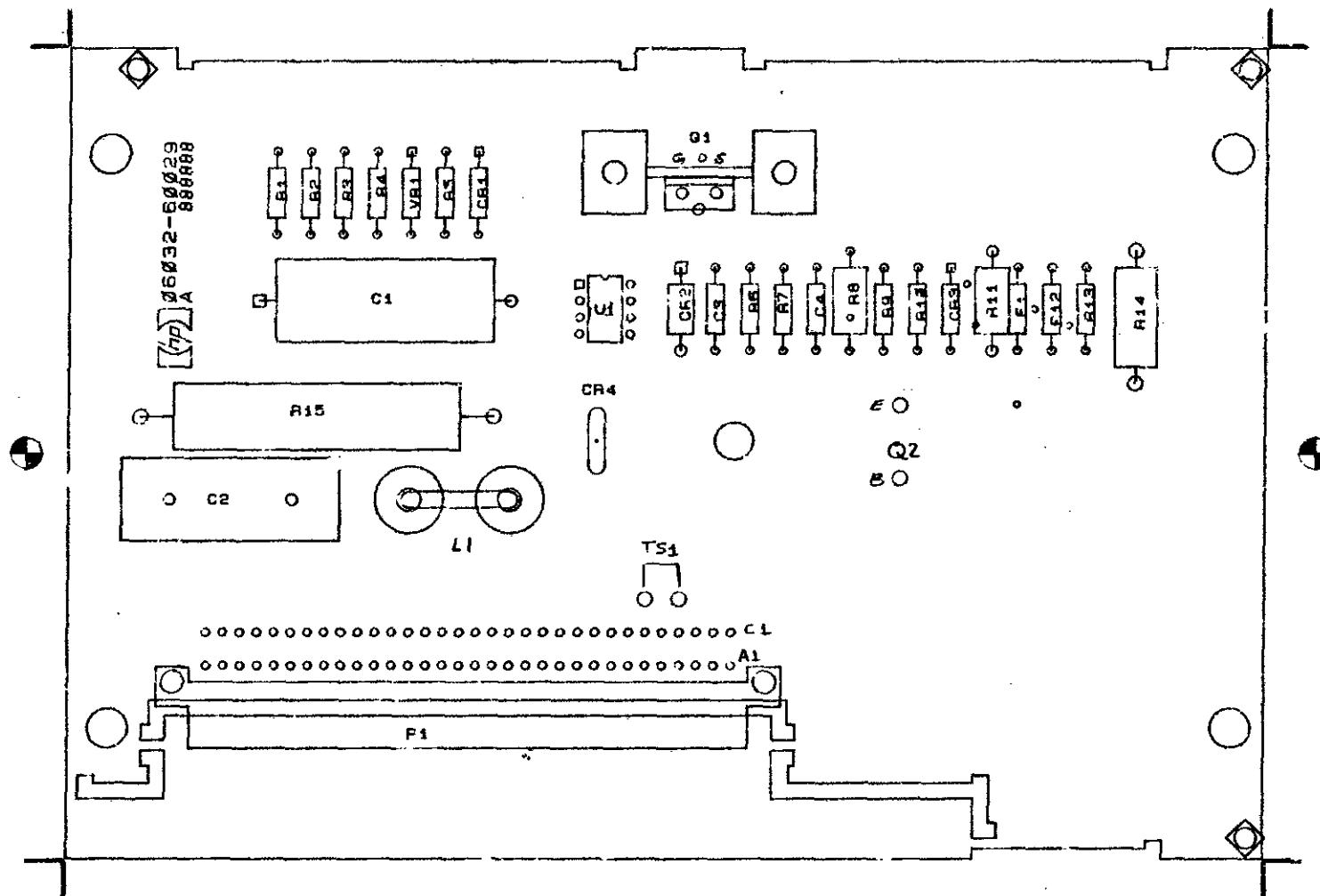
| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|---|-----|-------------|--|--|--|
| R148 | 1 | 0757-0422 | RESISTOR 909 +-1pct .125W TF TC=0+-100 | 5053HD909R0F CMF-559090FT-1 | VISHAY BC COMPONENTS VISHAY |
| R153 | 1 | 0757-0443 | RESISTOR 11K +-1pct .125W TF TC=0+-100 | 5053HD11K00F CMF-551102FT-1 NK4H.125W1%+/- 100PPM1102 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R154 | 1 | 0757-0451 | RESISTOR 24.3K +-1pct .125W TF TC=0+-100 | 5053HD24K30F CMF-552432FT-1 NK4H.125W1%+/- 100PPM2432 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R158 | 1 | 0686-2005 | RESISTOR 20 +-5pct .5W CC TC=0+412 | | |
| R159, 160 | 2 | 0686-6215 | RESISTOR 620 +-5pct .5W CC TC=0+529 | | |
| R164 | 1 | 0757-0434 | RESISTOR 3.65K +-1pct .125W TF TC=0+-100 | 5053HD3K650F CMF-553651FT-1 NK4H.125W1%+/- 100PPM3651 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R166, 167 | 2 | 0686-1315 | RESISTOR 130 +-5pct .5W CC TC=0+529 TBR | | |
| R168 | 1 | 0683-1515 | RESISTOR 150 +-5pct .25W CF TC=0-400 | CF 14 15R 5% | ASJ |
| R172 | 1 | 0811-3174 | RESISTOR .07 +-5pct 5W PWI TC=0+150 | CW-50R075% | VISHAY |
| R174 | 1 | 0683-3625 | RESISTOR 3.6K +-5pct .25W CF TC=0-400 | CF 14 3K 5% | ASJ |
| R175 | 1 | 0683-1525 | RESISTOR 1.5K +-5pct .25W CF TC=0-400 | CF 14 1K 5% CF1/4C_152J | ASJ KOA |
| R177 | 1 | 0683-0335 | RESISTOR 3.3 +-5PCT .25W CF TC=0-400 | CF 14 3R 5% CF1/4C_3R3J | ASJ KOA |
| R180 | 1 | 0683-1045 | RESISTOR 100K +-5pct .25W CF TC=0-400 | CF 14 10K 5% | ASJ |
| R181 | 1 | 0683-3335 | RESISTOR 33K +-5pct .25W CF TC=0-400 | CF 14 33 5% | ASJ |
| R39, 66, 104, 105, 120, 139, 143, 151, R156, 178, 179 | 11 | 0683-4725 | RES-FXD 4.7K +-5PCT .25W CF TC 0-400 | CF1/4-472J LCA0207 4.7K 5% CF1/4C_472J | ASJ VISHAY KOA |
| REF Q009 | 1 | 5060-2944 | ASSY-HS D44H5 | | |
| REF Q009a | 1 | 1205-0282 | HEAT SINK PLSTC-PWR-CS | 6025D | AAVID THERMALLOY |
| REF Q009b | 1 | 1854-0635 | TRANSISTOR NPN SI TO-220AB PD=1.67W | D44H8G | ON SEMICONDUCTOR |
| REF Q009c | 1 | 0361-1641 | EYELET-RLD-FLG .121-OD .187-LG .0095-THK | GS 4-6 STEEL-TIN PLATE | STIMPSON EDWIN B |
| REF U011 | 1 | 5060-2942 | ASSY-HS 317T | | |
| REF U011a | 1 | 0361-1641 | EYELET-RLD-FLG .121-OD .187-LG .0095-THK | GS 4-6 STEEL-TIN PLATE | STIMPSON EDWIN B |
| REF U011b | 1 | 1826-0393 | IC PWR MGT-V-REG-ADJ-POS 1.2/37V 3 PINS | LM317T-NOPB | NATIONAL SEMICONDUCTOR |
| REF U011c | 1 | 1205-0282 | HEAT SINK PLSTC-PWR-CS | 6025D | AAVID THERMALLOY |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|--|
| REF U012 | 1 | 5060-2943 | ASSY-HS 337T | | |
| REF U012a | 1 | 0361-1641 | EYELET-RLD-FLG .121-OD .187-LG .0095-THK | GS 4-6 STEEL-TIN PLATE | STIMPSON EDWIN B |
| REF U012b | 1 | 1826-0527 | IC PWR MGT-V-REG-ADJ-NEG 1.2/37V 3 PINS | LM337T-NOPB | NATIONAL SEMICONDUCTOR |
| REF U012c | 1 | 1205-0282 | HEAT SINK PLSTC-PWR-CS | 6025D | AAVID THERMALLOY |
| S001 BACKLOAD | 1 | 3101-2097 | SWITCH-DIP SPST 0.1A 50VDC | 206-0204 | CTS |
| REF S001 | 1 | 1200-0485 | SOCKET-IC-DIP 14-CONT DIP DIP-SLDR | 14-820-90 CA-14S-10 RAC1-01 | ARIES ELECTRONICS CIRCUIT ASSEMBLY |
| TB001 | 1 | 0360-2195 | BARRIER BLOCK 6-TERM THRMP 2.309-IN-L | 277206-NL-R53-04 72806-49-45-C-M | COOPER INDUSTRIES AXSYS TECHNOLOGIES |
| TB002 | 1 | 0360-2192 | BARRIER BLOCK 2-TERM THRMP .807-IN-L | 277202-NL-R-53 72802-49-C-M | COOPER INDUSTRIES AXSYS TECHNOLOGIES |
| U001-3 | 3 | 1826-0493 | IC OP AMP LOW-BIAS-H-IMPD 8 PIN DIP-P | LT1008CN8 | LINEAR TECHNOLOGY |
| U004, 5 | 2 | 1826-0161 | IC OP AMP GP QUAD 14 PIN DIP-P | LM324NNOPB | NATIONAL SEMICONDUCTOR |
| U006 | 1 | 1826-0346 | IC OP AMP GP DUAL 8 PIN DIP-P | LM358NNOPB | NATIONAL SEMICONDUCTOR |
| U007, 21 | 2 | 1826-0544 | IC PWR MGT-V-REF-FXD 0/2.5V 8-PDIPP | SG3503M | LINFINITY MICROELECTRONICS |
| U008, 17 | 2 | 1826-0138 | IC COMPARATOR GP QUAD 14 PIN DIP-P | LM339N LM339NNOPB | TEXAS INSTRUMENTS NATIONAL SEMICONDUCTOR |
| U009 | 1 | 1820-0935 | IC CNTR CMOS BIN NEG-EDGE-TRIG 14-BIT | CD4020BE MC14020BCP | TEXAS INSTRUMENTS ON SEMICONDUCTOR |
| U010, 23 | 2 | 1826-0065 | IC COMPARATOR PRCN 8 PIN DIP-P | LM311P LM311NNOPB | TEXAS INSTRUMENTS NATIONAL SEMICONDUCTOR |
| U013 | 1 | 1820-1287 | IC DRVR TTL/LS NAND QUAD 2-INP | DM74LS37N HD74LS37P MB74LS37M SN74LS37N | FAIRCHILD SEMICONDUCTOR HITACHI FUJITSU TEXAS INSTRUMENTS |
| U015 | 1 | 1820-1272 | IC DRVR TTL/LS NOR QUAD 2-INP | SN74LS33N | TEXAS INSTRUMENTS |
| U016 | 1 | 1820-1437 | IC MV TTL/LS MONOSTBL CLEAR DUAL | SN74LS221N | TEXAS INSTRUMENTS |
| U018 | 1 | 1820-1205 | IC GATE TTL/LS AND DUAL 4-INP | DM74LS21N SN74LS21N | FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS |
| U019 | 1 | 1820-1112 | IC FF TTL/LS D-TYPE POS-EDGE-TRIG | HD74LS74AP MB74LS74M SN74LS74AN | HITACHI FUJITSU TEXAS INSTRUMENTS |
| U020 | 1 | 1820-2096 | IC CNTR TTL/LS BIN ASYNCHRO | SN74LS393N | TEXAS INSTRUMENTS |
| U022 | 1 | 1826-0428 | IC PWR MGT-V-REG-SWG 1/40V 16 PINS DIP-C | SG3524J | MICROSEMI |

06032-60022 Control PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|---|-----------|--------------|
| VR001 | 1 | 1902-3110 | DIODE-ZNR 5.9V 2pct DO-35 PD=.4W TC=+.017pct | 1902-3110 | MICROSEMI |
| VR002 | 1 | 1902-0777 | DIODE-ZNR 1N825 6.2V 5pct DO-7 PD=.4W | 1N825 | MICROSEMI |
| VR003, 4 | 2 | 1902-0018 | DIODE-ZNR 1N941 11.7V 5pct DO-7 PD=.5W | 1N941 | MICROSEMI |
| VR005 | 1 | 1902-0575 | DIODE-ZNR 6.5V 2pct DO-7 PD=.4W TC=+.035pct | 1N754C | MICROSEMI |
| Y001 A163 | 1 | 0960-0586 | RESONATOR-CERAMIC ANTIRESONANT FREQUENCY | | |



T sc ma c o o ass m s oca o pa 35, pa 2 o 2,
 Ma oa ass m

Agilent 6032A
 System Autoranging DC Power
 Supply

06032-60029
 Diode PC Assembly
 Component Locator

06029-60029 Diode Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|---------------------------------|-----|-------------|--|---|---|
| BRACKET | 1 | 06032-00017 | BRACKET | 06032-00017 06032-00017 | EV'S METAL WONG ENGINEERING |
| BRACKET insert nut | 2 | 0590-1086 | THD-INSR-NUT M4X0.7 3.38MM-LOA CS | S-M4-2-ZI | PENN ENGINEERING & MFG |
| C001 | 1 | 0180-3167 | CAP-FXD 1000uF +-20pct 25 V AL-ELCTLT | AGA102M025 TVX1E102MCD | AERO M NICHICON |
| C002 | 1 | 0160-4569 | CAP-FXD 0.01uF +-10pct 800 V POLYP-FL | 715P10398LD3 | SB ELECTRONICS |
| C003 | 1 | 0160-5422 | CAP-FXD 0.047uF +-20pct 50 V CER X7R | C420C473M5R5CA DA13X7R1H473M SA205C473MAAH | KEMET ELECTRONICS TDK AVX |
| C004 | 1 | 0160-4832 | CAP-FXD 0.01uF +-10pct 100 V CER X7R | C410C103K1R5CA SA101C103KAAH SA101C103KAAH | KEMET ELECTRONICS AVX KYOCERA |
| CR001, 3 | 2 | 1901-0050 | DIODE-SWITCHING 80V 200MA 2NS DO-35 | D3D7_FDH6308C | FAIRCHILD SEMICONDUCTOR |
| CR001a MOUNTING TO Heat Sink | 1 | 2190-0041 | WASHER-LK INTL T 1/4 IN .256-IN-ID ; WASHE | 1214-00 2190-0041 | ILLINOIS TOOL WORKS ELECTRO ASSEMBLIES |
| CR002 | 1 | 1901-0731 | DIODE-PWR RECT 400V 1A | 1N4004G 1901-0731 GP10G044 | ON SEMICONDUCTOR TEMIC TELEFUNKEN MICROELECTRON VISHAY |
| CR004 | 1 | 1901-1182 | DIO 400V 17A | 1901-1182 UFR-7140 | STMICROELECTRONICS MICROSEMI |
| CR004a | 1 | 2950-0048 | NUT-HEX-DBL-CHAM 1/4-28-THD .125-IN-THK | 2950-0048 | FEDERAL SCREW PRODUCTS |
| F001 | 1 | 2110-0699 | FUSE-SUBMINIATURE 5A 125V NTD AX UL-LS | 0251005 L | LITTELFUSE |
| HEAT SINK DIODE | 1 | 06032-00018 | HEAT SINK-DIODE | | |
| L001a | 1 | 06012-80003 | WIRE-SNUBBER | | |
| L001b | 2 | 9170-0707 | CORE-SHIELDING BEAD | 5977006801 | FAIR RITE PRODUCTS |
| MOUNTING H.S. TO BRKT | 2 | 0515-0896 | SCREW-MACH M4 X 0.7 10MM-LG -HD | 0515-0896 0515-0896 0515-0896 0515-0896 0515-0896 | ILLINOIS TOOL WORKS MID-CONTINENT SCREW PROD PSM INTERNATIONAL TEXTRON TEJIMA SEISAKUSHO KK |

06029-60029 Diode Assembly Parts List

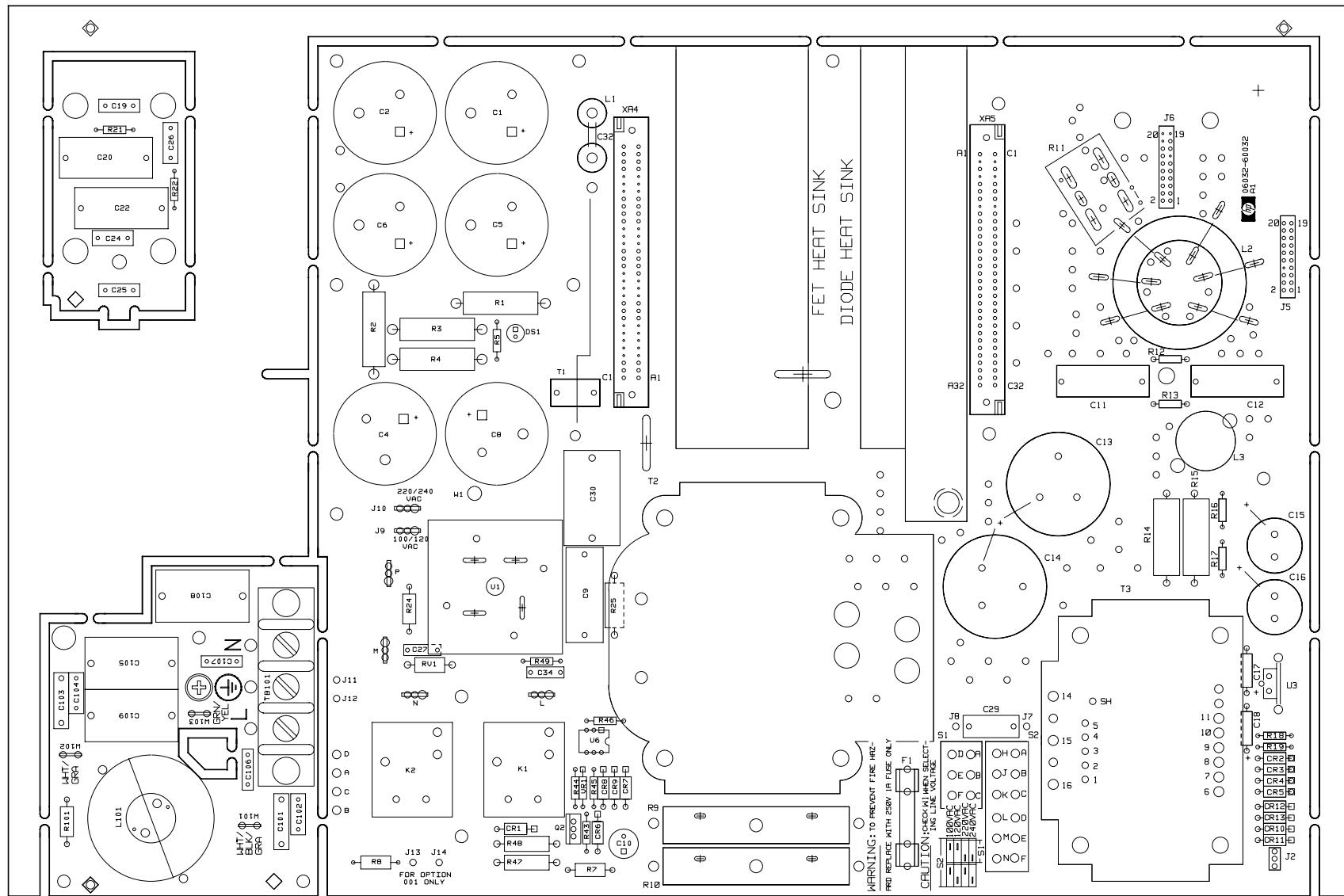
| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|--|
| MOUNTING PCB TO H.S. | 4 | 0515-0413 | SCREW-MACH M4 X 0.7 6MM-LG PAN-HD | 0515-0413 0515-0413 0515-0413 0515-0413 0515-0413 | BOSSARD ILLINOIS TOOL WORKS LONG-LOK FASTENER MID-CONTINENT SCREW PROD TEXTRON |
| REF PCB TO HS | 4 | 0380-1524 | STANDOFF-HEX 8-MM-LG M4.0 X 0.7-THD ; ST | 0380-1524 0380-1524 0380-1524 | LYN-TRON RAF ELECTRONIC HARDWARE/R&R MF BOSSARD |
| P001 | 1 | 1252-1053 | CONN-POST TYPE 5.08-PIN-SPCG-MTG-END | 86094648813765V1 | FCI FRAMATOME BERG |
| P001a | 2 | 0361-1372 | RIVET-SPCLY UNIV-HD .094DIA .392LG | 1189-2512 | TEXTRON |
| Q001 | 1 | 5060-9666 | ASSY-HEAT SINK | | |
| Q001a | 1 | 0361-1641 | EYELET-RLD-FLG .121-OD .187-LG .0095-THK | GS 4-6 STEEL-TIN PLATE | STIMPSON EDWIN B |
| Q001b | 1 | 1205-0398 | HEAT SINK SGL PLSTC-PWR-CS | 035560 | AAVID THERMALLOY |
| Q001c | 1 | 1855-0549 | TRANSISTOR MOSFET N-CHAN E-MODE TO-21 | IRF510PBF | INTERNATIONAL RECTIFIER |
| Q002 | 1 | 1854-1070 | TRANSISTOR NPN SI TO-3 PD=180W FT=800K | MJ15015G | ON SEMICONDUCTOR |
| Q002a - CONNECTOR | 2 | 1251-7600 | CONNECTOR-SGL CONT SKT .04-IN-BSC-SZ R | 09-9077-1-03 | CONCORD ELECTRONICS |
| Q002b - INSULATOR | 2 | 0340-0167 | INSULATOR-BSHG TFE ; INSULATOR-BUSHIN | 0340-0167 | SPARTA |
| Q002c - MOUNTING | 2 | 0515-0212 | SCREW-MACH M3.5 X 0.6 6MM-LG PAN-HD ; S | 0515-0212 0515-0212 0515-0212 0515-0212 | MID-CONTINENT SCREW PROD ILLINOIS TOOL WORKS LONG-LOK FASTENER TEXTRON |
| R001 | 1 | 0683-1855 | RESISTOR 1.8M +-5PCT .25W TC 0-1750 +350 | CF1/4-185J | ASJ |
| R002 | 1 | 0698-3151 | RESISTOR 2.87K +-1pct .125W TF TC=0+-100 | 5053HD2K870F CMF-552871FT-1 H82K87FZ | VISHAY BC COMPONENTS VISHAY TYCO INTERNATIONAL |
| R003 | 1 | 0757-0459 | RESISTOR 56.2K +-1pct .125W TF TC=0+-100 | 5053HD56K20F CMF-555622FT-1 NK4H.125W1%+/- 100PPM5622 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R004 | 1 | 0698-3202 | RESISTOR 1.74K +-1pct .125W TF TC=0+-100 | 5053HD1K740F CMF-551741FT-1 NK4H.125W1%+/- 100PPM1741 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |

06029-60029 Diode Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| R005 | 1 | 0757-0317 | RESISTOR 1.33K +-1pct .125W TF TC=0+-100 | 5053HD1K330F CMF-551331FT-1 NK4H.125W1%+/- 100PPM1331 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R006 | 1 | 0683-1045 | RESISTOR 100K +-5pct .25W CF TC=0-400 | CF 14 10K 5% | ASJ |
| R007 | 1 | 0683-1025 | RESISTOR 1K +-5pct .25W CF TC=0-400 | CF 14 1K5% R25X-J-102 CF1/4C_102J | ASJ ROHM KOA |
| R008 | 1 | 0698-8827 | RESISTOR 1M +-1pct .125W TF TC=0+-100 | 5053HD1M000F CMF-551004FT-1 | VISHAY BC COMPONENTS VISHAY |
| R009 | 1 | 0757-0480 | RESISTOR 432K +-1pct .125W TF TC=0+-100 | 5053HD432K0F CMF-554323FT-1 | VISHAY BC COMPONENTS VISHAY |
| R010 | 1 | 0698-4196 | RESISTOR 1.07K +-1pct .125W TF TC=0+-100 | 5053HD1K070F CMF-551071FT-1 NK4H.125W1%+/- 100PPM1071 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R011 | 1 | 0699-4634 | RES-FXD 10 OHM +-5PCT 0.5W TC +350 -450 | CF 1/2 C 100 J | KOA |
| R012 | 1 | 0757-0447 | RESISTOR 16.2K +-1pct .125W TF TC=0+-100 | 5053HD16K20F CMF-551622FT-1 NK4H.125W1%+/- 100PPM1622 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R013 | 1 | 0683-1005 | RES-FXD 10 +-5PCT .25W CF TC 0-400 | 20028878 CF1/4-100J LCA0207 10 5% 20028878 CF1/4C_100J | PHILIPS ASJ VISHAY NXP KOA |
| R014 | 1 | 0811-3290 | RESISTOR .1 +-5pct 2W PWI TC=0+-800 | SPH | TT ELECTRONICS |
| R015 | 1 | 0811-1068 | RESISTOR 50 +-5pct 10W PWN TC=0+-20 | NAS-10 NS-10_50_5% | TT ELECTRONICS VISHAY |
| TS001 SW-THERM | 1 | 3103-0081 | SWITCH-THRM FXD +202F 15A CL-ON-RISE | 2455R-87-247 | HONEYWELL |
| TS001a - MOUNTING | 2 | 0515-0212 | SCREW-MACH M3.5 X 0.6 6MM-LG PAN-HD ; S | 0515-0212 0515-0212 0515-0212 0515-0212 | MID-CONTINENT SCREW PROD ILLINOIS TOOL WORKS LONG-LOK FASTENER TEXTRON |
| U001 | 1 | 1826-0346 | IC OP AMP GP DUAL 8 PIN DIP-P | LM358NNOPB | NATIONAL SEMICONDUCTOR |

06029-60029 Diode Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|---|--------|--------------|
| VR001 | 1 | 1902-0575 | DIODE-ZNR 6.5V 2pct DO-7 PD=.4W TC=+.035p | 1N754C | MICROSEMI |



Agilent 6032A System Autoranging DC Power Supply

06032-60032
Mother Board PC Assembly
Component Locator

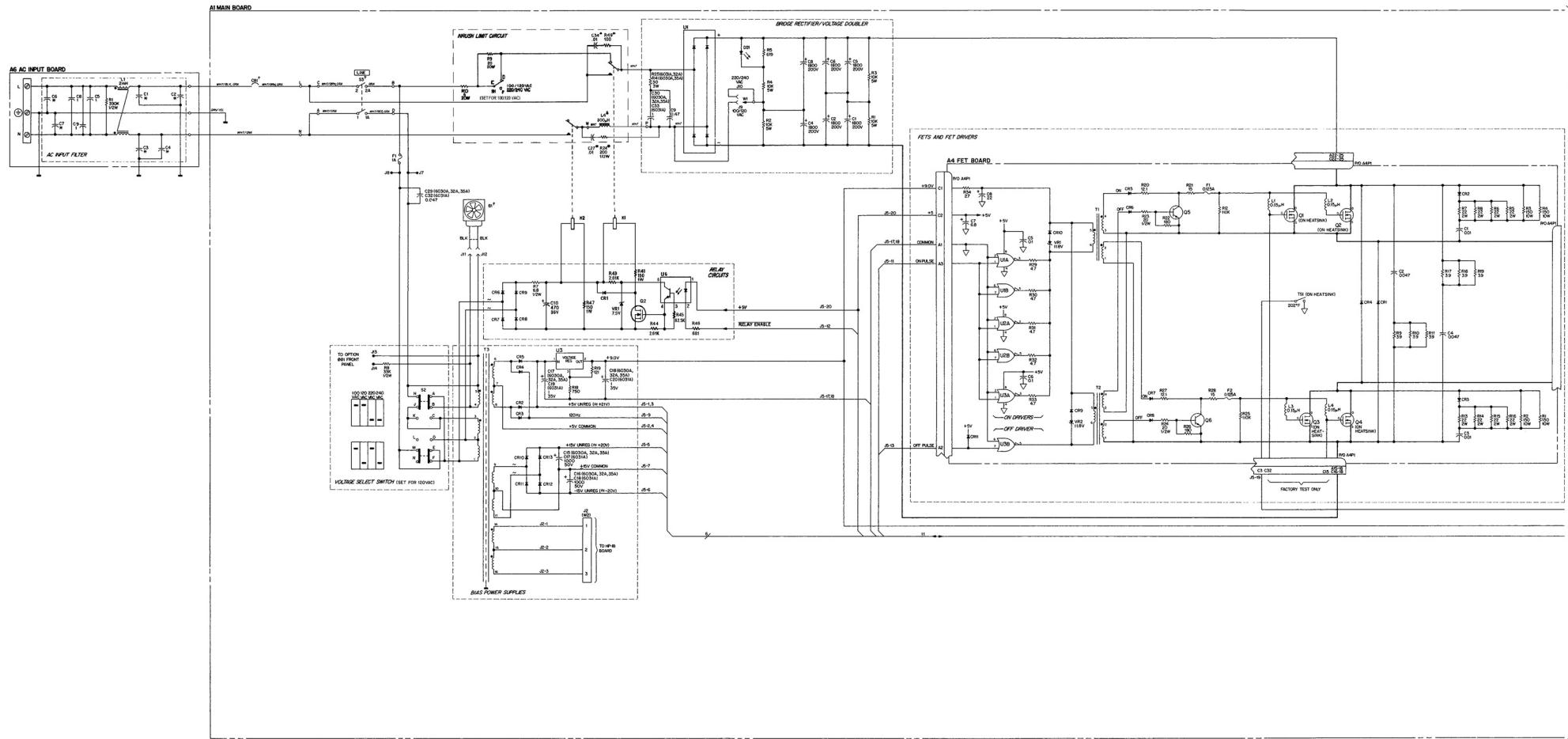


Figure 6-10A. Power Mesh Schematic Diagram (AC Input and FET Board)

Agilent 6032A System Autoranging DC Power Supply

06032-60032
Main Board PC Assembly
Page 1 of 2

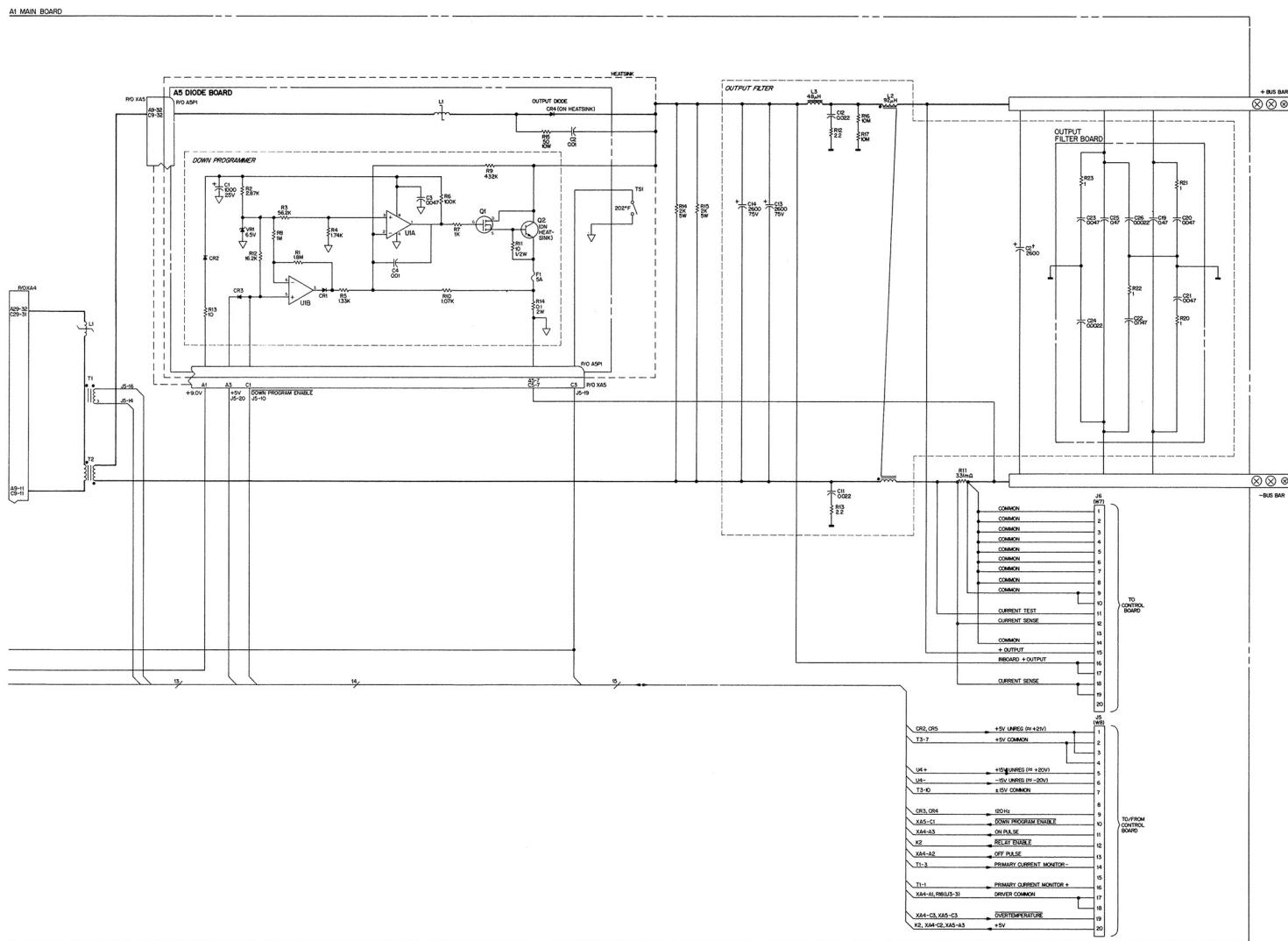


Figure 6-10D. 6032A Power Mesh Schematic Diagram (Diode Board and Output Filter)

Agilent 6032A System Autoranging DC Power Supply

06032-60032
Main Board PC Assembly
Page 2 of 2

06032-60032 Mother Board PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| C001, 2, 4-6, 8 | 6 | 0180-4528 | CAP-FXD 1800uF +30pct -10pct 200 V AL-ELCT | 400XE1148 81DA1202A | CORNELL-DUBILIER ELECTRONICS NIPPON CHEMI-CON |
| C009 | 1 | 0160-5932 | CAP-FXD 0.47uF +-20PCT 630V POLYE-MET | F1772-447-2000 PHE820MF6470M | VISHAY EVOX/RIFA |
| C010 | 1 | 0180-3699 | CAP-FXD 470uF +-20PCT 35 V AL-ELCTL | UPW1V471MPD | NICHICON |
| C011, 12 | 2 | 0160-5933 | CAP-FXD 0.022uF +-10PCT 1.5kV POLYP-FL | FKP-1-0.022UF/1600VDC | WIMA |
| C013, 14 | 2 | 0180-3492 | CAP-FXD 2600uF +50pct -10pct 75 V AL-ELCTL | 115-1017-02 | CORNELL-DUBILIER ELECTRONICS |
| C015, 16 | 2 | 0180-3587 | CAP-FXD 1000uF +-20pct 50 V AL-ELCTL | ELXZ500ELL102ML25S | NIPPON CHEMI-CON |
| C017, 18 | 2 | 0180-4129 | CAP-FXD 1uF +-10pct 35 V TA | TARR105K035 T322B105K035AS | AVX KEMET ELECTRONICS |
| C027, 34 | 2 | 0160-6805 | CAP-FXD 0.01uF +-10pct 400 V POLYE-MET | MKS4 0.01UF/400V/10% MKT 1822-310/405 MMK10103K400 | WIMA VISHAY EVOX/RIFA |
| C029 | 1 | 0160-4323 | CAP-FXD 0.047uF +-20PCT 275V PPR-MET | PME271M547MR30 MP3-X2- 0.047uF/275Vac/20%,7X15 X19, Pitch15mm | EVOX/RIFA WIMA |
| C030 | 1 | 0160-7606 | CAP-FXD 1uF +-20PCT 275 V POLYE-MET | PHE820MF7100MR06L2 MKP-X2- 1uF/275Vac/20%,13X24X3 1.5,Pitch 27.55mm | EVOX/RIFA WIMA |
| CR001, 2, 5-13 | 11 | 1901-0731 | DIODE-PWR RECT 400V 1A | 1N4004G 1901-0731 GP10G044 | ON SEMICONDUCTOR TEMIC TELEFUNKEN MICROELECTRON VISHAY |
| CR003, 4 | 2 | 1901-0050 | DIODE-SWITCHING 80V 200MA 2NS DO-35 | D3D7_FDH6308C | FAIRCHILD SEMICONDUCTOR |
| DS001 | 1 | 1990-0517 | LED-LAMP LUM-INT=5.4MCD IF=30MA-MAX | HLMP-3301 | AVAGO TECHNOLOGIES |
| F001 | 1 | 2110-0001 | FUSE (INCH) 1A 250V NTD FE UL-LST | 0312001. 04.010 AGC-1 SS2-1A | LITTELFUSE ELECTREY COOPER INDUSTRIES SAN-O INDUSTRIAL |
| J002 | 1 | 1251-5384 | CONN-HDR VERT 3-PIN 2.54MM 1-ROW | 1102-8-103-01 22-29-2031 | METHODE ELECTRONICS MOLEX |
| J005 REF W008 | 1 | 5060-2877 | CA ASSY | | |

06032-60032 Mother Board PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|---|---|--|
| J006, REF W007 | 1 | 5060-2878 | CA ASSY | | |
| J007, 8, 11-14 | 6 | 1251-0600 | CONNECTOR-SGL CONT PIN 1.14-MM-BSC-SZ | 16-06-0034 928-196-004140 MM 600G | MOLEX TEXTRON MILL-MAX |
| K001, 2 | 2 | 0490-1834 | RELAY 1C 12VDC-COIL 20A 30VDC | AZ2100-1C-12DE JTN1S-TMP-F-DC12V | AMERICAN ZETTLER MATSUSHITA |
| L001 | 1 | 06012-80003 | WIRE-SNUBBER | | |
| L002 | 1 | 9170-1267 | CORE-TOROID 1000uH +-30PCT | OR-44.5-13-30H-CE H5C2-T44.5X13X30E | HITACHI TDK |
| L003 | 1 | 06012-80095 | CHOKE-OUTPUT | | |
| Q002 | 1 | 1855-1886 | TRANSISTOR-MOSFET N-CHAN E-MODE SI TO | FQP7N10L | FAIRCHILD SEMICONDUCTOR |
| R001-4 | 4 | 0811-1866 | RESISTOR 10K +-1pct 5W PWI TC=0+-20 | RS-510K01% T5 | VISHAY TT ELECTRONICS |
| R005 | 1 | 0757-0418 | RESISTOR 619 +-1pct .125W TF TC=0+-100 | 5053HD619R0F CMF-556190FT-1 NK4H.125W1%+/- 100PPM619R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R007 | 1 | 0698-5525 | RESISTOR 6.8 +-5pct .5W CC TC=0+412 | | |
| R008 | 1 | 0757-0765 | RESISTOR 36.5K +-1pct .25W TF TC=0+-100 | CMF-603652FT-1 H436K5FZ MBB0207C36K50F | VISHAY MEGGITT-ELECTRONIC COMPONENTS VISHAY BC COMPONENTS |
| R009 | 1 | 0811-3700 | RES 20 OHM 20W | PC-20-20-10% SPECIAL P-636 | TT ELECTRONICS |
| R010 | 1 | 0811-3699 | RES 6 OHMS 20W | PC-20-6-10% SPECIAL P-677 | TT ELECTRONICS |
| R011 | 1 | 06032-80001 | RES MONITOR 60V | | |
| R012, 13 | 2 | 7175-0057 | RESISTOR 0 CWM | 5020CX0R000S12AAZ 5020CX0R000S12AAZ 7175-0057 V-10-22 | VISHAY BC COMPONENTS VISHAY DOVER VESTAL ELECTRONIC DEVICES |
| R014, 15 | 2 | 0812-0100 | RESISTOR 2K +-5pct 5W PWI TC=0+-20 | RS-52K05% T5 | VISHAY TT ELECTRONICS |
| R016, 17 | 2 | 0699-1797 | RESISTOR 10M +-5pct .25W CF TC=0-1000 | CF 1/4 C ____ 106 J CF1/ 10M5% | KOA ASJ |

06032-60032 Mother Board PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|--------------------------|-----|-------------|---|--|--|
| R018 | 1 | 0757-0420 | RES-FXD 750 OHM +-1PCT .125W TC 0+-100 | CMF557500FKEA 5053HD750R0F NK4H.125W1%+/- 100PPM750R0 | VISHAY VISHAY BC COMPONENTS E-SIL COMPONENTS |
| R019 | 1 | 0757-0403 | RESISTOR 121 +-1pct .125W TF TC=0+-100 | 5053HD121R0F CMF-551210FT-1 | VISHAY BC COMPONENTS VISHAY |
| R024 | 1 | 0686-2015 | RESISTOR 200 +-5pct .5W CC TC=0+529 | | |
| R025 | 1 | 0764-0041 | RESISTOR 30 +-5pct 2W MO TC=0+-200 | FP69 30R0 5% GS-3-30R0J | VISHAY TT ELECTRONICS |
| R043, 44 | 2 | 0698-0085 | RESISTOR 2.61K +-1pct .25W TF TC=0+-100 | 5043ED2K610F CMF-552611FT-1 NK4H.25W1%+/- 100PPM2611 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R045 | 1 | 0698-8827 | RESISTOR 1M +-1pct .125W TF TC=0+-100 | 5053HD1M000F CMF-551004FT-1 | VISHAY BC COMPONENTS VISHAY |
| R046 | 1 | 0757-0419 | RESISTOR 681 +-1pct .25W TF TC=0+-100 | 5053HD6810F CMF-55681FT-1 NK4H.25W1%+/- 100PPM681 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R047, 48 | 2 | 0698-3622 | RESISTOR 120 +-5pct 2W MO TC=0+-200 | FP69 120R0 5% GS-3-1200-J | VISHAY TT ELECTRONICS |
| R049 | 1 | 0757-0401 | RESISTOR 100 +-1pct .125W TF TC=0+-100 | 5053HD100R0F CMF-551000FT-1 | VISHAY BC COMPONENTS VISHAY |
| REF F001 | 2 | 2110-1107 | FUHLR-CLP-TYP | 1A1907-03 | COOPER INDUSTRIES |
| REF L001A | 2 | 9170-0707 | CORE-SHIELDING BEAD | 5977006801 | FAIR RITE PRODUCTS |
| REF L002 | 6 | 5080-2040 | JUMPER CU LOOP | 5080-2040 5080-2040 | EVS METAL PARADIGM METAL INDUSTRIES |
| REF L003A | 1 | 9170-0721 | CORE-TUNING | 4277484111 | FAIR RITE PRODUCTS |
| REF R009, 10 | 2 | 0403-0086 | BUMPER FOOT-PRS-IN .5-IN-MAX-ODBLK RBR | 4072-022 | STOCKWELL RUBBER |
| REF V001 | 1 | 1205-0862 | HEAT SINK | 1205-0862 | AAVID THERMALLOY |
| REF:J009, 10, L, M, N, P | 6 | 1251-5613 | CONNECTOR-SGL CONT QDISC-M TAB | 62409-1 | TYCO ELECTRONICS AMP |
| RV001 | 0 | 0837-0312 | VOLTAGE SUPPRESSOR VR=342V, BV=380 V | 1.5KE400CA | VISHAY |
| S001 | 1 | 3101-2046 | SWITCH-SL DPDT STD 1.5A 250VAC PC | 11A-1526A | SWITCHCRAFT |
| S002 | 1 | 3101-1914 | SWITCH-SL 2-DPDT STD 1.5A 250VAC PC | 11E-1060B | SWITCHCRAFT |

06032-60032 Mother Board PC Assembly Parts List

| Reference Designator | Qty | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| T001 | 1 | 9100-4350 | INDUCTOR-FIXED CURRENT SENSE INDUCTOR | 57P1688 PE-51688 | VITEC ELECTRONIC TECHNITROL |
| U001 PRE-ASSY | 1 | 1906-0389 | DIODE-FW BRDG 600V 35A | GBPC3506 | VISHAY |
| REF U003 | 1 | 5060-2942 | ASSY-HS 317T | | |
| U003a | 1 | 0361-1641 | EYELET-RLD-FLG .121-OD .187-LG .0095-THK | GS 4-6 STEEL-TIN PLATE | STIMPSON EDWIN B |
| U003b | 1 | 1826-0393 | IC PWR MGT-V-REG-ADJ-POS 1.2/37V 3 PINS | LM317T-NOPB | NATIONAL SEMICONDUCTOR |
| U003c | 1 | 1205-0282 | HEAT SINK PLSTC-PWR-CS | 6025D | AAVID THERMALLOY |
| U006 | 1 | 1990-1074 | S1C-LTB | 4N35-M | FAIRCHILD SEMICONDUCTOR |
| VR001 | 1 | 1902-0955 | DIODE-ZNR 1N5236B 7.5V 5pct DO-35 PD=.4W | 1N958B-DO35 | MICROSEMI |
| XA4, XA5 | 2 | 1252-1052 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 254-71-06-402 8609-4647814765000E1 | LABINAL COMPONENTS & SYSTEMS FCI FRAMATOME BERG |
| | 1 | 0380-1704 | STANDOFF-RVT-ON 8-MM-LG M4.0 X 0.7-THD | 0380-1704 21055B-B-0470-14 F 218 | LYN-TRON MITE LA CLUSIENNE |



Agilent 6032A System Autoranging DC Power Supply

5063-3463
GPIB PC Assembly
Component Locator

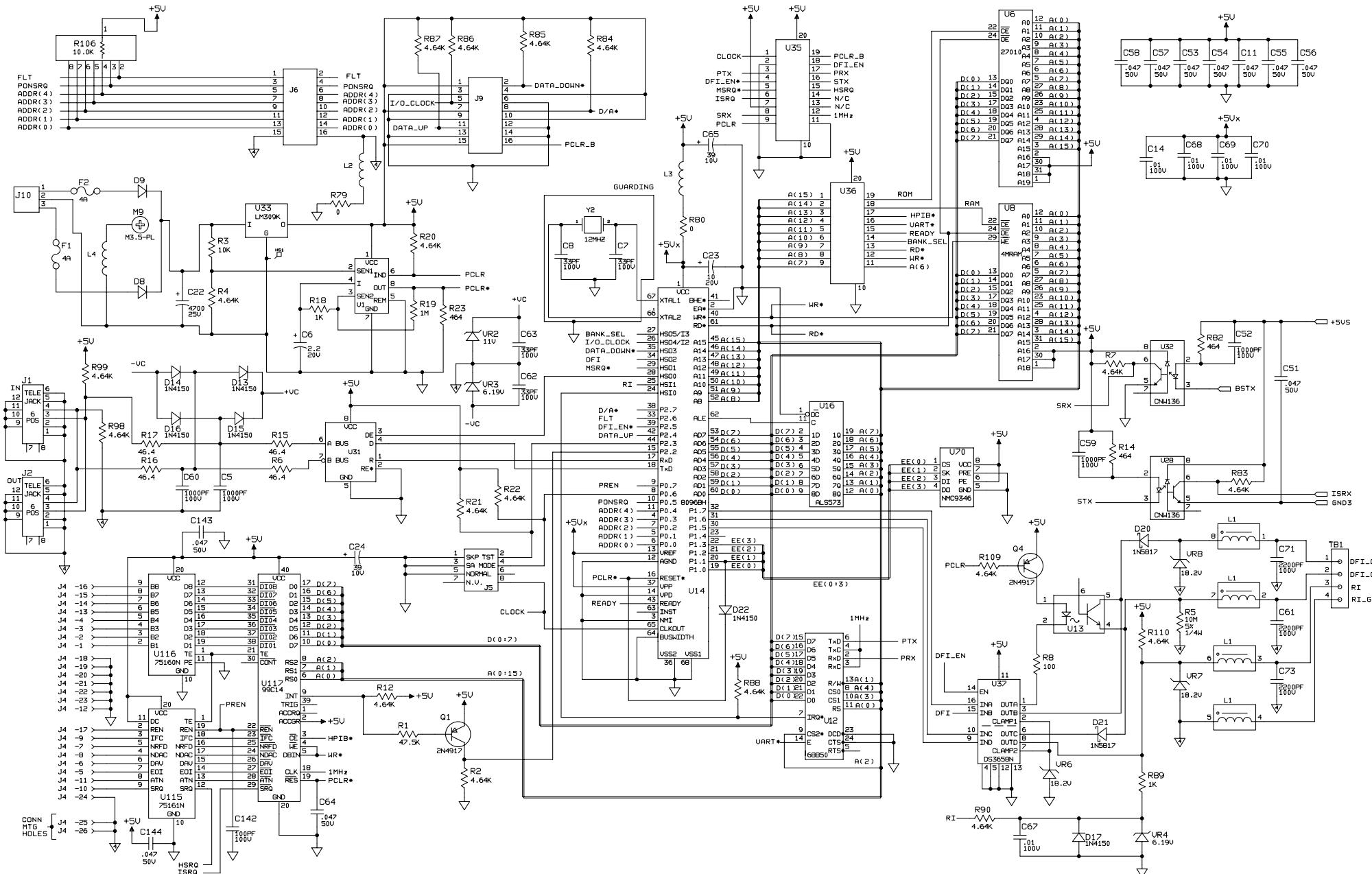
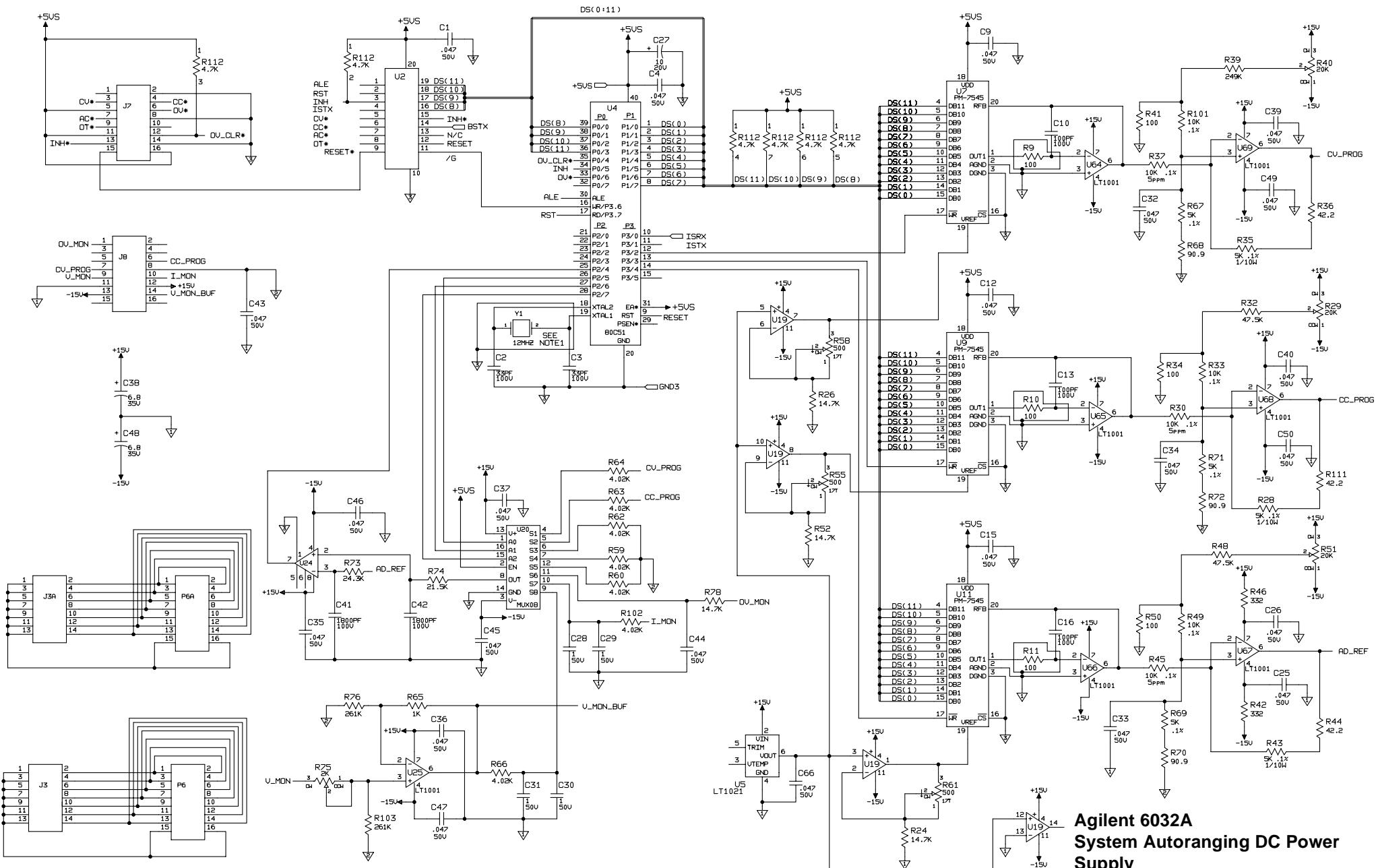


Figure 6-13A. GPIB Board Schematic Diagram

Agilent 6032A System Autoranging DC Power Supply

5063-3463
GPIB PC Assembly
Page 1 of 2



Agilent 6032A System Autoranging DC Power Supply

5063-3463
GPIB PC Assembly
Page 2 of 2

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|---|-----|-------------|--|---|--|
| C1, C4, C9, C11, C12, C15, C25, C26, C32-C37, C39, C40, C43-C47, C49-C51, C53-C58, C64, C66, C143, C144 | 34 | 0160-5422 | CAP-FXD 0.047uF +-20pct 50 V CER X7R | C420C473M5R5CA DA13X7R1H473M SA205C473MAAH | KEMET ELECTRONICS TDK AVX |
| C10, C13, C142, C16, C67 | 5 | 0160-4801 | CAP-FXD 100pF +-5pct 100 V CER C0G | C410C101J1G5CA SA102A101JAAH SA102A101JAAH | KEMET ELECTRONICS AVX KYOCERA |
| C14, C68, C69, C70 | 4 | 0160-4832 | CAP-FXD 0.01uF +-10pct 100 V CER X7R | C410C103K1R5CA SA101C103KAAH SA101C103KAAH | KEMET ELECTRONICS AVX KYOCERA |
| C2, C3, C62, C63, C7, C8 | 6 | 0160-4807 | CAP-FXD 33pF +-5pct 100 V CER C0G | C410C330J1G5CA SA102A330JAAH SA102A330JAAH | KEMET ELECTRONICS AVX KYOCERA |
| C22 | 1 | 0180-3798 | CAP-FXD 4700uF +30pct -10pct 25 V AL-ELCLTLT | 0180-3798 0180-3798 0180-3798 0180-3798 | CORNELL-DUBILIER ELECTRONICS NIPPON CHEMI-CON VISHAY BC COMPONENTS VISHAY |
| C23, C27 | 2 | 0180-4136 | CAP-FXD 10uF +-10pct 20 V TA | TARS106K020 T322C106K020AS | AVX KEMET ELECTRONICS |
| C24, C65 | 2 | 0180-0393 | CAP-FXD 39uF +-10pct 10 V TA | T110B396K010AS TAAB39K10RX | KEMET ELECTRONICS STC |
| C28, C29, C30, C31 | 4 | 0160-5469 | CAP-FXD 1uF +-10PCT 50 V POLYE-MET | MKS 2 1.0/10/50 PCM5 TR MMK5105K50J02TR18 | WIMA EVOX/RIFA |
| C38, C48 | 2 | 0180-4132 | CAP-FXD 6.8uF +-10pct 35 V TA | TARW685K035 T322D685K035AS | AVX KEMET ELECTRONICS |
| C41, C42 | 2 | 0160-4820 | CAP-FXD 1800pF +-5pct 100 V CER C0G | C430C182J1G5CA DA13C0G2A182J SA301A182JAAH SA301A182JAAH | KEMET ELECTRONICS TDK AVX KYOCERA |
| C5, C52, C59, C60 | 4 | 0160-4822 | CAP-FXD 1000pF +-5pct 100 V CER C0G | C420C102J1G5CA SA201A102JAAH SA201A102JAAH | KEMET ELECTRONICS AVX KYOCERA |

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|-----------------------|-----|-------------|--|--|---|
| C6 | 1 | 0180-0197 | CAP-FXD 2.2uF +-10pct 20 V TA | TAAA225K020 T110A225K020AS TAAA2R2K20RX | AVX KEMET ELECTRONICS STC |
| C61, C71, C73 | 3 | 0160-4830 | CAP-FXD 2200pF +-10pct 100 V CER X7R | C410C222K1R5CA SA101C222KAAH SA101C222KAAH | KEMET ELECTRONICS AVX KYOCERA |
| D13-D17, D22 | 6 | 1901-1098 | DIODE-SWITCHING 1N4150 50V 200MA 4NS | 1N4150 1N4150 | FAIRCHILD SEMICONDUCTOR ROHM |
| D20, D21 | 2 | 1901-1080 | DIODE-SCHOTTKY 20V 1A | 1N5817RLG | ON SEMICONDUCTOR |
| D8, D9 | 2 | 1901-0731 | DIODE-PWR RECT 400V 1A | 1N4004G 1901-0731 GP10G044 | ON SEMICONDUCTOR TEMIC TELEFUNKEN MICROELECTRON VISHAY |
| F1, F2 | 2 | 2110-0712 | FUSE-SUBMINIATURE 4A 125V NTD AX | 0251004_L | LITTELFUSE |
| J1, J2 | 2 | 1253-0238 | CONNECTOR 6-PIN F LC SERIES | RJ11-6LC2-B | CORCOM |
| J10 | 1 | 1251-5384 | CONN-HDR VERT 3-PIN 2.54MM 1-ROW | 1102-8-103-01 22-29-2031 | METHODE ELECTRONICS MOLEX |
| J3 | 1 | 1200-0485 | SOCKET-IC-DIP 14-CONT DIP DIP-SLDR | 14-820-90 CA-14S-10 RAC1-01 | ARIES ELECTRONICS CIRCUIT ASSEMBLY |
| J4 | 1 | 1252-2161 | CONN-RECT MICRORBN 24-CKT 24-CONT | 5554923-2 | TYCO ELECTRONICS AMP |
| J5 | 1 | 1251-4926 | CONN-HDR VERT 8-PIN 2.54MM 2-ROW | 67996-108HLF HTSW-104-07-SM-D | FCI FRAMATOME BERG SAMTEC |
| REF J5 | 1 | 1258-0209 | JUMPER-REMOVABLE 2 POSITION; .250 IN | 68786-202LF 382811-6 | FCI FRAMATOME BERG TYCO ELECTRONICS AMP |
| J6, J9 | 2 | 1251-4927 | CONN-HDR VERT 16-PIN 2.54 MM 2 ROW | 67997-116HLF | FCI FRAMATOME BERG |
| J7, J8 | 2 | 1251-8417 | CONN-POST TYPE .100-PIN-SPCG-MTG-END | 68021-616HLF | FCI FRAMATOME BERG |
| L2, L3, L4 | 3 | 9170-1454 | CORE-SHIELDING BEAD | 4330-030-55861 | FERROXCUBE USA |
| Q1, Q4 | 2 | 1853-0089 | TRANSISTOR PNP 2N4917 SI PD=625MW | | |
| R1, R32, R48 | 3 | 0757-0457 | RESISTOR 47.5K +-1pct .125W TF TC=0+-100 | 5053HD47K50F CMF-554752FT-1 NK4H.125W1%+/- 100PPM4752 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R8-R11, R34, R41, R50 | 7 | 0757-0401 | RESISTOR 100 +-1pct .125W TF TC=0+-100 | 5053HD100R0F CMF-551000FT-1 | VISHAY BC COMPONENTS VISHAY |

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|--|-----|-------------|---|---|--|
| R101, R33, R49 | 3 | 0698-6360 | RES-FXD 10K +-0.1PCT 0.125W TC 0+-25 0207 | CMF-551002BT-9 MBB0207-25 0.1%_10K | VISHAY VISHAY BC COMPONENTS |
| R102, R59, R60, R62, R63, | 7 | 0698-3558 | RESISTOR 4.02K +-1pct .125W TF TC=0+-100 | 5053HD4K020F CMF-554021FT-1 NK4H.125W1%+/- 100PPM4021 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R103, R76 | 2 | 0698-3455 | RESISTOR 261K +-1pct .125W TF TC=0+-100 | 5053HD261K0F CMF-552613FT-1 NK4H.125W1%+/- 100PPM2613 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R106 | 1 | 1810-0206 | NET-RES 7 10.0K OHM 8-PIN | 750-81 MSP08A01-103G 4308R-94Y-103LF | TT ELECTRONICS VISHAY BOURNS |
| R109, R110, R12, R2, R20, R21, R22, R4, R7, R83, R84, R85, R86, R87, R88, R90, R98, R99 | 18 | 0698-3155 | RESISTOR 4.64K +-1pct .125W TF TC=0+-100 | 5053HD4K640F CMF-554641FT-1 NK4H.125W1%+/- 100PPM4641 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R111, R36, R44 | 3 | 0757-0316 | RESISTOR 42.2 +-1pct .125W TF TC=0+-100 | 5053HD42R20F CMF-5542R2FT-1 NK4H.125W1%+/- 100PPM42R2 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R112 | 1 | 1810-0305 | NET-RES 8 4.7K OHM 9-PIN | 908-472G CSC09A01-472K | EPITEK ELECT VISHAY |
| R14, R23, R82 | 3 | 0698-0082 | RESISTOR 464 +-1pct .125W TF TC=0+-100 | 5053HD464R0F CMF-554640FT-1 NK4H.125W1%+/- 100PPM464R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R15, R16, R17, R6 | 4 | 0698-4037 | RESISTOR 46.4 +-1pct .125W TF TC=0+-100 | 5053HD46R40F CMF-5546R4FT-1 NK4H.125W1%+/- 100PPM46R4 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|---|--|--|
| R18, R65, R89 | 3 | 0757-0280 | RESISTOR 1K +-1pct .125W TF TC=0+-100 | 5053HD1K000F CMF-551001FT-1 NK4H.125W1%+/- 100PPM1001 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R19 | 1 | 0698-8827 | RESISTOR 1M +-1pct .125W TF TC=0+-100 | 5053HD1M000F CMF-551004FT-1 | VISHAY BC COMPONENTS VISHAY |
| R24, R26, R52, R78 | 4 | 0698-3156 | RESISTOR 14.7K +-1pct .125W TF TC=0+-100 | 5053HD14K70F CMF-551472FT-1 NK4H.125W1%+/- 100PPM1472 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R28, R35, R43 | 3 | 0699-0059 | RESISTOR 5K +-0.1pct .1W TF TC=0+-5 | PR1/10TC55K0.1% PTF-565K0BT-16 UXBA5K0000B | PRECISION RESISTIVE PRODUCTS VISHAY VISHAY BC COMPONENTS |
| R29, R40, R51 | 3 | 2100-3353 | RESISTOR-TRMR 20K 10pct TKF SIDE-ADJ 1-TRN | 2100-3353 3386X-Y46-203 | MURATA MANUFACTURING BOURNES |
| R3 | 1 | 0757-0442 | RESISTOR 10K +-1pct .125W TF TC=0+-100 | 5053HD10K00F CMF-551002FT-1 NK4H.125W1%+/- 100PPM1002 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R30, R37, R45 | 3 | 0699-0642 | RESISTOR 10K +-0.1pct .1W TF TC=0+-5 | PR1/10TC510K0.1% PTF-5610K0BT-16 UXB0207-05 0,1% RP 10K | PRECISION RESISTIVE PRODUCTS VISHAY VISHAY BC COMPONENTS |
| R39 | 1 | 0757-0270 | RESISTOR 249K +-1pct .125W TF TC=0+-100 | 5053HD249K0F CMF-552493FT-1 NK4H.125W1%+/- 100PPM2493 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R42, R46 | 2 | 0757-0411 | RESISTOR 332 +-1pct .125W TF TC=0+-100 | 5053HD332R0F CMF-553320FT-1 NK4H.125W1%+/- 100PPM332R0 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R5 | 1 | 0699-1797 | RESISTOR 10M +-5pct .25W CF TC=0-1000 | CF 1/4 C ___ 106 J CF1/ 10M5% | KOA ASJ |

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|---|---|
| R55, R58, R61 | 3 | 2100-3732 | RESISTOR-TRMR 500 10pct TKF SIDE-ADJ | 3105X501 3296X-DM3-501 67XR | MURATA MANUFACTURING BOURNS T T GROUP |
| R67, R69, R71 | 3 | 0698-6320 | RES-FXD 5K +-0.1PCT 0.125W TC 0+-25 0207 | CMF-555001BT-9 MBB0207-25 0.1%_5K | VISHAY VISHAY BC COMPONENTS |
| R68, R70, R72 | 3 | 0757-0400 | RESISTOR 90.9 +-1pct .125W TF TC=0+-100 | MFS 1/4 D C __ 90R9 F 5053HD90R90F CMF-5590R9FT-1 NK4H.125W1%+/- 100PPM90R9 | KOA VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R73 | 1 | 0757-0451 | RESISTOR 24.3K +-1pct .125W TF TC=0+-100 | 5053HD24K30F CMF-552432FT-1 NK4H.125W1%+/- 100PPM2432 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R74 | 1 | 0757-0199 | RESISTOR 21.5K +-1pct .125W TF TC=0+-100 | 5053HD21K50F CMF-552152FT-1 NK4H.125W1%+/- 100PPM2152 | VISHAY BC COMPONENTS VISHAY E-SIL COMPONENTS |
| R75 | 1 | 2100-3273 | RESISTOR-TRMR 2K 10pct TKF SIDE-ADJ 1-TRN | 3386X-Y46-202 PV34X202C30 | BOURNS MURATA MANUFACTURING |
| R79, R80 | 2 | 8159-0005 | RESISTOR 0 CWM | 106 L-2007-1 YZO 1/4 Z-25 Z25C | MICRO-OHM GETTIG ENGRG & MFG TT ELECTRONICS ASJ KOA |
| S1 | 1 | 3101-1973 | SWITCH-DIP SL 7-1A 0.1A 50VDC | 11P-2031 | CTS |
| TB1 | 1 | 0360-2312 | TERMINAL BLOCK 4-TERM .039 IN SQUARE | ELFH04110 MSTBA 2.5/4-G- BLK(176064) 871904 | PCD PHOENIX CONTACT & CO AXSYS TECHNOLOGIES |
| U1 | 1 | 1826-0468 | IC PWR MGT-OV-V-SEN 2.3/37.8V 8 PINS | MC3423P1G | ON SEMICONDUCTOR |
| U11, U7, U9 | 3 | 1826-2187 | D/A 12-BIT 20-PLASTIC CMOS | AD7545LNZ | ANALOG DEVICES |
| U115 | 1 | 1820-6045 | IC INTERFACE XCVR BIPOLAR INSTRUMENT BUS | SN75ALS161N | TEXAS INSTRUMENTS |
| U116 | 1 | 1820-6170 | IC INTERFACE XCVR BIPOLAR BUS OCTL | SN75ALS160N | TEXAS INSTRUMENTS |

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|--------------------------------------|-----|-------------|--|--|---|
| U117 | 1 | 1822-1330 | IC GPIB CONTROLLER 40-PDIP | 14063-502 | AMIS SEMICONDUCTOR |
| U12 | 1 | 1820-3210 | IC ASYNCH. COMMUN INTERFACE ADAPTER | | |
| U13 | 1 | 1990-1074 | S1C-LTB | 4N35-M | FAIRCHILD SEMICONDUCTOR |
| U14 | 1 | 1821-1479 | IC 16-BIT MCU 16-MHZ CMOS 68-PLCC | C | INTEL |
| REF U14 | 1 | 1200-1274 | SOCKET-IC-PLCC 68-CONT SQUARE DIP-SLDR | 1-822473-6 PLCC68PT2 | TYCO ELECTRONICS AMP FCI FRAMATOME BERG |
| U16 | 1 | 1820-2724 | IC LCH TTL/ALS TRANSPARENT OCTL | DM74ALS573BN SN74ALS573CN | FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS |
| U19 | 1 | 1826-0161 | IC OP AMP GP QUAD 14 PIN DIP-P | LM324NNOPB | NATIONAL SEMICONDUCTOR |
| U2 | 1 | 5080-2157 | IC-PRGMD GAL | | |
| U20 | 1 | 1826-0609 | ANALOG MULTIPLEXER 8 CHNL 16 -CERDIP | MUX-08FQ | ANALOG DEVICES |
| U24 | 1 | 1826-1475 | IC COMPARATOR GP 8 PIN DIP-P | LT1011CN8 | LINEAR TECHNOLOGY |
| U25, U64, U65, U66, U67, U68, U69 | 7 | 1826-1896 | IC OP AMP PRCN 8 PIN DIP-P | LT1001CN8 LT1001CN8 | LINEAR TECHNOLOGY MAXIM INTEGRATED PRODUCTS |
| U28, U32 | 2 | 1990-1502 | OPTO-ISOLATOR LED-PDIO IF=8MA-MAX BVR=5V | HCPL-4503-000E | AVAGO TECHNOLOGIES |
| U2a | 1 | 1820-5398 | IC PLD EEPLD UNPRGMD CMOS GAL16V8 | GAL16V8D-25QP | LATTICE SEMICONDUCTOR |
| U31 | 1 | 1820-6789 | IC INTERFACE XCVR BIPOLAR LINE GENERAL | SN75176BP DS75176BNNOPB | TEXAS INSTRUMENTS NATIONAL SEMICONDUCTOR |
| U33 | 1 | 1820-0430 | IC PWR MGT-V-REG-FXD-POS 4.8/5.2V | LM309K STEEL-NOPB | NATIONAL SEMICONDUCTOR |
| REF U33 | 1 | 1205-0834 | HEAT SINK MOD | 1205-0834 | AAVID THERMALLOY |
| REF U33 | 2 | 0515-1146 | SCREW-MACHINE ASSEMBLY M3 X 0.5 6MM-LG ; SCREW-MACHINE ASSEMBLY ; M3.0 X 0.50; 6 MM LONG; POZIDRIV ; RECESS, PAN; STAINLESS STEEL-300 ; SERIES, PASSIVATED FINISH; ; EXTERNAL TOOTH LOCKWASHER IFI ; TYPE A; PER IFI NO. 513/531/532 | 0515-1146 0515-1146 0515-1146 0515-1146 SMME0300060D- PPENSVN | HOUSE OF METRICS ILLINOIS TOOL WORKS MID-CONTINENT SCREW PROD TEXTRON EXIM & MFR ENTERPRISE |
| U35 | 1 | 5080-2156 | IC-PRGMD GAL | | |
| U35a | | 1820-5398 | IC PLD EEPLD UNPRGMD CMOS GAL16V8 | GAL16V8D-25QP | LATTICE SEMICONDUCTOR |
| U36 | 1 | 5080-2625 | IC-PRGMD GAL | | |
| U36a | | 1820-5398 | IC PLD EEPLD UNPRGMD CMOS GAL16V8 | GAL16V8D-25QP | LATTICE SEMICONDUCTOR |
| U37 | 1 | 1820-4185 | IC INTERFACE DRVR BIPOLAR LINE HIGH | DS3658N-NOPB | NATIONAL SEMICONDUCTOR |
| U4 | 1 | 5185-1399 | Programmed Processor 1822-1762 | | |
| Ref U4 | 1 | 1822-1762 | IC MCU W/ROM 4KX8 CMOS 40-DIP | P87C51SBPN P87C51SBPN | PHILIPS NXP |
| U5 | 1 | 1826-1369 | IC PWR MGT-V-REF-FXD 9.95/10.05V 8 PINS | LT1021DCN8-10 | LINEAR TECHNOLOGY |
| U6 | 1 | 5080-2624 | IC-PRGMD EPROM | | |
| U6a | | 1818-4855 | IC 512K-BIT OTP 90-NS CMOS | M27C512-90B6 | STMICROELECTRONICS |

5063-3463 GPIB Assembly Parts List

| Reference Designator | QTY | Agilent P/N | Description | MPN | Manufacturer |
|----------------------|-----|-------------|--|--|---|
| U70 | 1 | 1818-3921 | IC 1K-BIT EEPROM 250-NS CMOS 8-PDIP | AT93C46E-PU | ATMEL |
| U8 | 1 | 1818-4134 | IC 64K BIT SRAM 20-NS CMOS 28-DIP | CY7C185-20PXC | CYPRESS SEMICONDUCTOR |
| VR2 | 1 | 1902-0959 | DIODE-ZNR 11V 5pct DO-35 PD=.4W TC=+.076pct | 1N962B | MICROSEMI |
| VR3, VR4 | 2 | 1902-0049 | DIODE-ZNR 6.19V 5pct DO-35 PD=.4W | 1N5234BD035 | MICRO COMMERCIAL COMPONENTS |
| VR6, VR7, VR8 | 3 | 1902-0766 | DIODE-ZNR 18.2V 5pct DO-35 PD=.4W | 1N5248B | MICRO COMMERCIAL COMPONENTS |
| XU6 | 1 | 1200-0567 | SOCKET-IC-DIP 28-CONT DIP DIP-SLDR | 1-390262-2 DILB28P223TLF | TYCO ELECTRONICS AMP FCI FRAMATOME BERG |
| Y1, Y2 | 2 | 0410-2109 | CRYSTAL-QUARTZ 12.000 MHZ | AT-51-12.000MHZ HC49S-12MHZ KD2109 | NIHON DEMPA KOGYO FOX ELECTRONICS KYUSHU DENTSU |
| | 1 | 9170-1680 | EMI-FERRITE CHIP 4 LINE PAK; 126 OHMS | | |
| | 1 | 0380-1668 | STANDOFF-RVT-ON 10-MM-LG M4.0 X 0.7-THD ; STANDOFF-RIVET-ON | 0380-1668 21057B-B-0470-14 | LYN-TRON MITE |

Manual Part Number: 5989-6686EN
Printed in U.S.A. March 2007
Copyright © 2007 Agilent Technologies, Inc. All Rights Reserved.

